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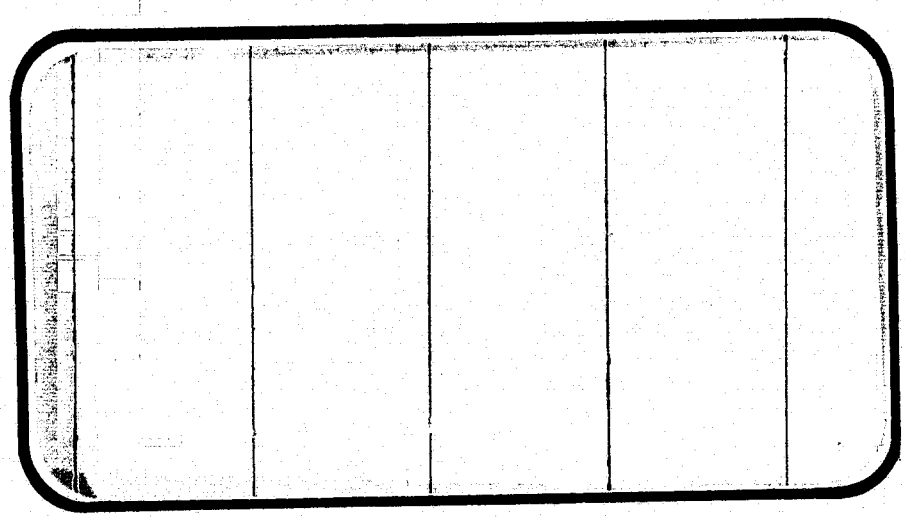
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CR-151040) RESULTS OF INVESTIGATIONS CONDUCTED IN THE LARC 4-FOOT UNITARY PLAN WIND TUNNEL LEG NO. 2 USING THE 0.010-SCALE 72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED VEHICLE (IA94E) (Chrysler Corp.) 942 p G3/16

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services
SPACE DIVISION CHRYSLER CORPORATION

December 1976

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NASA CR-151,040

RESULTS OF INVESTIGATIONS CONDUCTED IN THE LaRC 4-FOOT UNITARY PLAN WIND TUNNEL LEG NO. 2 USING THE 0.010-SCALE 72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED VEHICLE (IA94B)

by

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Prepared under NASA Contract Number NAS9-13247

by

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Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	LaRC UPWT 1177
NASA Series Number:	IA94B
Model Number:	72-OTS
Test Dates:	April 26 through May 4, 1976
Occupancy Hours:	84

FACILITY COORDINATOR:

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RESULTS OF INVESTIGATIONS CONDUCTED IN THE LaRC 4-FOOT UNITARY PLAN WIND TUNNEL LEG NO. 2 USING THE 0.010-SCALE 72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED VEHICLE (IA94B)

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ABSTRACT

This report documents the test procedures, history, and data from wind tunnel test IA94B, carried out at the NASA/Langley Research Center 4-Foot Unitary Plan Wind Tunnel, Section #2, April 26 to May 4, 1976.

Test IA94B involved aero-loads investigations on the Updated Configuration-5 Space Shuttle Launch Vehicle at Mach numbers 2.50, 3.50, and 4.50. Six-component vehicle forces and moments, base and sting-cavity pressures, elevon hinge moments, wing-root bending and torsion moments, and normal shear force data were obtained. Full simulation of updated vehicle protuberances and attach hardware was employed.

This test was one of a series of three (3) programs run consecutively: IA94A (UPWT #1), IA94B (UPWT #2), and IA93 (8' TPT).

Various elevon deflection angles were tested, with two different forward orbiter-to-external-tank attach-strut configurations. The entire vehicle model 72-OTS was supported by means of a balance mounted in the orbiter through its base and suspended from an appropriate sting for the specific tunnel.

The tabulated IA94B data shown in the Appendix comprises:

(a) Raw wind tunnel data (RJWOXX, SJWOXX, TJWOXX data sets),

(b) Interpolated Mach, alpha, and beta data (FJWOXX, IJWOXX, MJWOXX data sets), corrected for base cavity and base pressure effects,

(c) Data from item (b) elevon interpolated (MJWAXX, MJWBXX).

The plotted coefficient data presented in this report represents the elevon interpolated data (item (c)).

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SCHEDULE OF COEFFICIENTS PLOTTED:

A) C_{N_F}, C_{A_F}, C_{m_F}, $C_{A_{B_O}}$, $C_{A_{B_S}}$, $C_{A_{B_T}}$ versus α

B) C_Y, C_n(BODY), C_ℓ(BODY) versus α

C) C_{N_W}, C_{B_W}, C_{m_W} versus α

D) $C_{H_{E_I}}$, $C_{H_{E_O}}$ versus α

NOMENCLATURE

Plot Symbol	Mnemonic	Definition
A		Total vehicle axial-force, lbs.
A_{BF}	ABF	Body flap planform area, ft^2
A_{B_O}	ABO	Orbiter base area, ft^2
A_{B_S}	ABS	SRB base area, ft^2
A_{B_T}	ABT	ET base area, ft^2
A_{C_O}	ACO	Orbiter sting-cavity area, ft^2
A_U		Uncorrected total vehicle axial-force, lbs.
BM_W		Bending moment at Y_{WRC}, in-lb.
BM_{W_1}		Bending moment at inboard wing-root bending gauge, in-lb.
BM_{W_2}		Bending moment at outboard wing-root bending gauge, in-lb.
b_W		Wing reference span, in.
C_A	CA	Total vehicle axial-force coefficient
C_{A_B}	CAB	Total vehicle base axial-force coefficient
$C_{A_{B_O}}$	CABO	Orbiter base axial-force coefficient
$C_{A_{B_S}}$	CABS	Solid rocket booster base axial-force coefficient
$C_{A_{B_T}}$	CABT	External tank base axial-force coefficient
C_{L_U}	CLU	Uncorrected total vehicle lift coefficient

NOMENCLATURE (Continued)

Plot Symbol	Mnemonic	Definition
C_{A_F}	CAF	Total vehicle forebody axial-force coefficient
C_{D_U}	CDU	Uncorrected total vehicle drag coefficient
C_{A_U}	CAU	Uncorrected total vehicle axial-force coefficient
C_{B_W}	CBW	Wing-root bending-moment coefficient
$C_{H_{E_I}}$	CHEI	Inboard elevon hinge-moment coefficient
$C_{H_{E_O}}$	CHEO	Outboard elevon hinge-moment coefficient
$C_{H_{E_T}}$	CHET	Total elevon hinge-moment coefficient
C_m	CLM	Total vehicle pitching-moment coefficient
C_{m_B}	CLMB	Total vehicle base pitching-moment coefficient
$C_{m_{B_O}}$	CLMBO	Orbiter base pitching-moment coefficient
$C_{m_{BF}}$	CLMBF	Orbiter body flap upper surface pitching-moment coefficient
C_{m_F}	CLMF	Total vehicle forebody pitching-moment coefficient
C_{m_U}	CLMU	Uncorrected total vehicle pitching-moment coefficient
$C_{n(BODY)}$	CYN	Total vehicle yawing-moment coefficient, body axis
C_N	CN	Total vehicle normal-force coefficient
C_{N_B}	CNB	Total vehicle base normal-force coefficient
$C_{N_{B_O}}$	CNBO	Orbiter base normal-force coefficient

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Plot Symbol	Mnemonic	Definition
$C_{N_{BF}}$	CNBF	Orbiter body flap upper surface normal-force coefficient
C_{N_F}	CNF	Total vehicle forebody normal-force coefficient
C_{N_U}	CNU	Uncorrected total vehicle normal-force coefficient
C_{N_W}	CNW	Normal-force coefficient for wing panel
$C_{P_{B_i}}$	CPBi	Base pressure coefficient at Station i (i = 1 to 8)
L/D_U	L/DU	Uncorrected total vehicle lift to drag ratio
$C_{P_{BF}}$	CPBF	Body flap surface-pressure coefficient
$C_{P_{B_O}}$	CPBO	Orbiter base-pressure coefficient
ℓ_{BF}	LBF	Longitudinal body flap transfer distance, in.
$C_{P_{B_S}}$	CPBS	SRB base-pressure coefficient
$C_{P_{B_T}}$	CPBT	ET base-pressure coefficient
$A_{B_{OMS}}$	ABOMS	OMS pod base area, ft^2
$C_{P_{C_j}}$	CPCj	Sting-cavity pressure coefficient at Station j
$C_{P_{C_O}}$	CPCO	Orbiter sting-cavity pressure coefficient
C_{T_W}	CTW	Wing-root torsion-moment coefficient
C_Y	CY	Total vehicle side-force coefficient
C_ℓ(BODY)	CBL	Total vehicle rolling-moment coefficient, body axis

NOMENCLATURE (Continued)

Plot Symbol	Mnemonic	Definition
$\bar{c}_W$	LREF	Mean wing reference chord, in.
$\bar{c}_E$	CE	Mean elevon reference chord, in.
D_1		Lateral distance from electrical center of inboard wing-root flexion gauge to wing-root flexion reference buttplane, Y_{WRC}, in.
D_2		Lateral distance from electrical center of outboard wing-root flexion gauge to wing-root flexion reference buttplane, Y_{WRC}, in.
ET		External tank
G_3		Longitudinal distance from electrical center of wing-root torsion gauge to wing-root torsion reference station, X_{WRC}, in.
h_{B_Z}	HBZ	Vertical transfer distance from orbiter base area centroid to MRP, in.
HM_{E_I}	HMEI	Inboard elevon hinge moment, in-lb.
HM_{E_O}	HMEO	Outboard elevon hinge moment, in-lb.
i_b	IB	Orbiter base average inclination angle, deg.
i_m		Incidence angle of orbiter fuselage reference plane with respect to the ET fuselage reference plane; varies with attach structure AT_{130}, deg.
ℓ		Total vehicle rolling-moment, in-lb.
ℓ_B	BREF	Body reference length, in.
ℓ_{B_X}	LBX	Longitudinal transfer distance from orbiter base area centroid to MRP, in.
m		Total vehicle pitching-moment, in-lb.
m_U		Uncorrected total vehicle pitching-moment, in-lb.
M	MACH	Tunnel freestream Mach number

Plot Symbol	Mnemomic	Definition
n		Total vehicle yawing-moment, in-lb.
N		Total vehicle normal-force, lb.
N_U		Uncorrected total vehicle normal-force, lb.
N_W		Normal force on wing panel, lb.
P_{B_i}		Base pressure, psia.
P_{C_j}		Sting-cavity pressure, psia.
P_T	PT	Tunnel freestream total pressure, psia.
P_∞	P	Tunnel freestream static pressure, psia.
q	Q(PSF)	Tunnel freestream dynamic pressure, psfa.
Re/ft	RN/L	Tunnel freestream unit Reynolds number, per foot
S_E	SE	Elevon reference area, ft^2
S_W	SREF	Wing reference area, ft^2
SRB	SRB	Solid rocket booster
TM_W		Torsion moment at X_{WRC}, in-lb.
TM_{W3}		Torsion moment at wing-root torsion gauge, in-lb.
T_T	TT	Tunnel freestream total temperature, $^\circ R$
T_∞	T	Tunnel freestream static temperature, $^\circ R$
X_{BRC}		Balance moment reference center station, in.
X_{MRC}	XMRP	Vehicle reference center station, in.
X_O	XO	Orbiter longitudinal station, in.
X_S	XS	SRB longitudinal station, in.

NOMENCLATURE (Continued)

Plot Symbol	Mnemonic	Definition
X_T	XT	ET longitudinal station, in.
X_{WRC}		Wing-root torsion reference station, in.
Y		Total vehicle side-force, lb.
Y_{BRC}		Balance moment reference center buttplane, in.
Y_{MRC}	YMRP	Vehicle moment reference center buttplane, in.
Y_O	YO	Orbiter lateral coordinate, in.
Y_s	YS	SRB lateral coordinate, in.
Y_T	YT	ET lateral coordinate, in.
Y_{WRC}		Wing-root bending reference buttplane, in.
Z_{BRC}		Balance moment reference center waterplane, in.
Z_{MRC}	ZMRP	Vehicle moment reference center waterplane, in.
Z_O	ZO	Orbiter vertical coordinate, in.
Z_s	ZS	SRB vertical coordinate, in.
Z_T	ZT	ET vertical coordinate, in.
α	ALPHA	Model angle-of-attack, deg.
α_U		Uncorrected model angle-of-attack, deg.
β	BETA	Model angle-of-sideslip, deg.
β_U		Uncorrected model angle-of-sideslip, deg.
δ_{BF}	BDFLAP	Body flap setting, deg.
δ_{EI_L}	ELV-LI	Left-hand inboard elevon setting, deg.
$\delta_{EI_{L_U}}$	ELVIC	Unloaded left-hand inboard elevon setting, deg.

Plot Symbol	Mnemonic	Definition
$\delta_{E_{I_R}}$	ELV-RI	Right-hand inboard elevon setting, deg.
$\delta_{E_{I_{R_U}}}$		Unloaded right-hand inboard elevon setting, deg.
$\delta_{E_{O_L}}$	ELV-LO	Left-hand outboard elevon setting, deg.
$\delta_{E_{O_{L_U}}}$	ELVOC	Unloaded left-hand outboard elevon setting, deg.
$\delta_{E_{O_R}}$	ELV-RO	Right-hand outboard elevon setting, deg.
$\delta_{E_{O_{R_U}}}$		Unloaded right-hand outboard elevon setting, deg.
δ_R	RUDDER	Rudder setting, deg.
δ_{SB}	SPDBRK	Speedbrake setting, deg.

SUBSCRIPTS

B	base
BF	body flap
C	cavity
E	elevon
F	forebody
I	inboard
L	left
O	Orbiter, outboard
R	right
S, s	SRB
SB	speedbrake
T	external tank, total
U	uncorrected
W	wing
∞	static

REMARKS

All main-balance six-component data and elevon hinge-moments from this segment of the test program were dependable without exception, as were base and sting-cavity pressures.

Wing bending-moment and torsion-moment raw data were at first suspected of significant zero-shifts due to temperature effects on the respective strain-gauges. However, post-test recalibration of the wing-root instrumentation over a range of applicable temperatures allowed for correction of all wing-root force and moment data.

No other test anomalies were experienced, and all data were available for use.

CONFIGURATIONS INVESTIGATED

The 72-OTS model used in this test was a 0.010-scale replica of the updated vehicle-5 launch configuration of the space shuttle, without main propulsion system nozzle simulation. The configuration-140C wing was employed in place of the standard -140A/B wing, for instrumentation purposes. Figure 2a shows the launch vehicle configuration. Figure 2b shows the orbiter configuration.

Full protuberance simulation on the external oxygen/hydrogen tank and the two solid rocket boosters was included, based primarily upon the B revision of Interface Control Document 2-00001. Figures 2c and 2d show the ET and SRB configurations.

The forward orbiter/external tank attach-hardware was designated AT_{130}. AT_{130} was a close simulation of the actual vehicle-5 fixtures.

Elevons were the only control surfaces deflected during the test. Rudder, speedbrake, and body flap were maintained at 0° settings. Control surface deflection sign convention is defined in Figure 1b.

The entire vehicle was suspended from a balance/sting assembly fitted into the orbiter fuselage through its base region, at all test conditions and configurations.

The model was tested with and without base pressure instrumentation manifolds and tubing installed. Figure 2e shows the base pressure tap locations.

The 140A/B orbiter model is designated as "0" in Table II and in

the data. It was constructed with the following components:

Component	Description
0	140A/B/C orbiter
B_{26}	Orbiter fuselage
C_9	Canopy
E_{52}	Elevons
F_{10}	Body flap
M_{16}	OMS pods
N_{89}	OMS nozzles
R_5	Rudder
V_8	Vertical tail
W_{127}	Wing

The modified vehicle-5 external tank model, designated as "T", was comprised of the following components:

Component	Description
AT_{28}	Attach structure
AT_{30}	Attach structure
AT_{31}	Attach structure
AT_{131}	Attach structure
FL_{10}	LH_2 feedline
FL_{11}	LO_2 feedline
FR_{10}	Fairing
PT_{23}	LO_2 recirculation line

Component	Description
PT_{25}	Aft electrical line
PT_{26}	LO_2 pressure line
PT_{29}	Forward electrical conduit
PT_{33}	LH_2 pressure line
PT_{39}	ET nose probe
T_{35}	Modified Vehicle-5 external tank fuselage

The modified vehicle-5 solid rocket booster model, designated "S", consisted of the following components:

Component	Description
FR_{14}	ET nose cable fairing
FR_{15}	ET nose fairing for PT_{39}
FR_{16}	LO_2 feedline (FL_{11}) fairing
FR_{17}	LO_2 antigeyser-line (PT_{23}) fairing
FR_{18}	Aft electrical-conduit (PT_{25}) fairing
FR_{19}	LH_2 pressure-line (PT_{33}) fairing
N_{106}	SRB nozzles
PS_{20}	Electrical tunnel
PS_{23}	Forward separation motors
PS_{26}	Aft attach ring, SRB
PS_{27}	SRM nozzle actuator struts
PS_{28}	Aft separation motor fairing
PS_{29}	Tiedown struts

CONFIGURATIONS INVESTIGATED (Concluded)

Component	Description
PS_{30}	APV exhaust outlets
PS_{31}	Command antennae
PS_{32}	Data capsule and camera
PS_{33}	3 intermediate structural rings
PS_{34}	Aft cable housing
PS_{35}	Aft structural ring
PS_{36}	Aft separation motors
S_{24}	Modified vehicle-5 solid rocket booster fuselage

Also tested was:

AT_{130}	Forward O/T attach structure.

Detailed model dimensional data are given in Table III. Figure 2 presents sketches of the model. Figure 3 presents a photograph of the model.

INSTRUMENTATION

The 72-OTS model employed during this test program was outfitted for measurement of left-hand inboard and outboard elevon hinge moments, right-hand wing-root bending and torsion moments and shear force, total-vehicle six-component forces and moments, and base and sting-cavity pressures.

Standard strain-gauge beam instrumentation was used for the elevon and wing-panel data. The LRC #840 1.435-inch balance, installed in the orbiter, was employed for total-vehicle forces and moments. Separate differential pressure transducers were used to measure the eight (8) base and sting-cavity pressures, distributed on the Orbiter, External Tank, and left-hand Solid Rocket Booster.

Figure 2e shows the base pressure tap locations.

TEST FACILITY DESCRIPTION

The NASA LaRC 4-Foot Unitary Plan Wind Tunnel (UPWT) is a closed-circuit, continuous flow, variable density facility. The test section is 4 feet by 4 feet by 7 feet long.

Two tunnel legs are available for supersonic testing in the Mach number ranges 1.47 to 2.86 (Leg No. 1) and 2.29 to 4.63 (Leg No. 2). An asymmetric, sliding block nozzle position and total pressure setting provide the test Mach numbers at a specified Reynolds number. Reynolds number can be varied from 0.76 to 7.78 million per foot. Available stagnation pressure variation is 4.0 to 142. psia. Dynamic pressure variation is 95. to 1260. psf with normal operating stagnation temperature about 150°F in Mach modes 2 or 3 and about 175°F in Mach mode 4. The tunnel is equipped with a dry air supply, an evacuating system, and a cooling system. The facility power is approximately 83,000 horsepower.

Model mounting provisions consist of various sting arrangements, including axial (longitudinal), lateral (independent pitch and yaw), and roll movement with side wall support. Schlieren system and oil flow visualization equipment are available. Data are recorded at the tunnel and reduced off-line at the Langley Computer Center. The tunnel is used for force, moment, pressure, and dynamic stability tests. Hot and cold jet effects and heat transfer have been studied in the UPWT.

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DATA REDUCTION

Model force and pressure data were reduced to coefficient form in both the body axis and stability-axis systems. Standard NASA/LaRC wind tunnel methods were used as required to maintain compatibility with the Chrysler Corporation/DATAMAN format. A final data-tape was submitted to DATAMAN after test completion.

Body-axis data were corrected for base, cavity, and surface-pressure effects, as follows:

1) $C_{A_F} = C_{A_U} - C_{A_{B_O}} - C_{A_{B_T}} - 2C_{A_{B_S}}$

where

$$C_{A_{B_O}} = -C_{P_{B_O}} \left(\frac{A_{B_O}}{S_W}\right) - C_{P_{C_O}} \left(\frac{A_{C_O}}{S_W}\right)$$

$$C_{A_{B_T}} = -C_{P_{B_T}} \left(\frac{A_{B_T}}{S_W}\right)$$

$$C_{A_{B_S}} = -C_{P_{B_S}} \left(\frac{A_{B_S}}{S_W}\right)$$

2) $C_{N_F} = C_N - C_{N_{B_O}} - C_{N_{BF}}$

where

$$C_{P_{B_2}} = C_{P_{BF}}$$

$$C_{N_{BF}} = -C_{P_{B_2}} \left(\frac{A_{BF}}{S_W}\right)$$

$$C_{N_{B_O}} = -C_{P_{B_O}} \left(\frac{A_{B_O} - A_{B_{OMS}}}{S_W}\right) \tan i_B - C_{P_{C_O}} \left(\frac{A_{C_O}}{S_W}\right) \tan i_B$$

3) $C_{m_F} = C_m + C_{m_{B_O}} + C_{m_{BF}}$

where

$$C_{m_{B_O}} = C_{N_{B_O}} \left(\frac{\ell_{B_X}}{\ell_B}\right) - C_{A_{B_O}} \left(\frac{h_{B_Z}}{\ell_B}\right)$$

$$C_{m_{BF}} = C_{N_{BF}} \left(\frac{\ell_{BF}}{\ell_B}\right)$$

DATA REDUCTION (Continued)

Inboard and outboard elevon panel hinge-moment coefficients were computed as follows:

$$C_{H_{E_I}} = \frac{HM_{E_I}}{qS_E \bar{c}_E}$$

$$C_{H_{E_O}} = \frac{HM_{E_O}}{qS_E \bar{c}_E}$$

Right-wing exposed-panel bending and torsional moments, bending and torsional moment coefficients, and normal force were computed as follows:

$$N_W = \frac{\left(BM_{W_1} - BM_{W_2}\right)}{\left(D_1 - D_2\right)}$$

$$TM_W = TM_{W_3} + N_W G_3$$

$$BM_W = \frac{BM_{W_1} + BM_{W_2} - N_W\left(D_1 + D_2\right)}{2}$$

$$C_{N_W} = \frac{N_W}{qS_W}$$

$$C_{B_W} = \frac{BM_W}{qS_W b_W}$$

$$C_{T_W} = \frac{TM_W}{qS_W \bar{c}_W}$$

Left-hand inboard and outboard elevon deflection angles were corrected for elevon-deflection-due-to-load as follows:

$$\delta_{E_{I_L}} = \delta_{E_{I_{L_U}}} + HM_{E_I}\left(\delta_{E_{I_L}} / HM_{E_I}\right)$$

$$\delta_{E_{O_L}} = \delta_{E_{O_{L_U}}} + HM_{E_O}\left(\delta_{E_{O_L}} / HM_{E_O}\right)$$

where:

$\left(\delta_{E_{I_L}} / HM_{E_I}\right)$ = deg/in-lb calibration of the inboard elevon hinge-moment beam

$\left(\delta_{E_{O_L}} / HM_{E_O}\right)$ = deg/in-lb calibration of the outboard elevon hinge-moment beam

Elevon deflection angles, measured with no hinge-moment acting on them, differed from nominal values as follows:

NOMINAL δ_E, deg.	ACTUAL MEASURED δ_E, DEG.			
	LEFT OUTBOARD SURFACE	LEFT INBOARD SURFACE	RIGHT INBOARD SURFACE	RIGHT OUTBOARD SURFACE
-10	-9.537	--	--	-9.604
-5	-4.720	--	--	-4.027
0	0.000	0.000	0.000	0.000
2	3.647	--	--	1.982
4	5.039	--	--	3.969
8	--	7.665	7.385	--
9	10.436	--	--	9.905
10	--	10.203	9.110	--
12	--	12.081	10.999	--
14	15.778	--	--	14.467

Positions in the above array where values are not given represent deflection angles not used in this test.

DATA REDUCTION (Continued)

The following reference dimensions and constants were used for data reduction (lengths are given in inches, areas in square feet, and angles in degrees):

Symbol	Model Scale	Full Scale
A_{BF}	0.0143	142.60
A_{B_O}	0.0270	269.70
$A_{B_{OMS}}$	0.0123	122.60
A_{B_S}	0.0236	236.46
A_{B_T}	0.0605	604.80
A_{C_O}	0.0167	167.00
b_W	9.367	936.680
$\bar{c}_E$	0.907	90.700
$\bar{c}_W$	4.748	474.800
D_1	- .3272	--
D_2	- .8185	--
G_3	+1.1700	--
h_{B_Z}	3.365	336.500
i_B	14.750	14.750
$i_{m_{AT_{130}}}$	.133	.133
ℓ_B	12.903	1290.300
ℓ_{BF}	13.297	1329.70
ℓ_{B_X}	12.630	1263.00
S_E	0.0210	210.00

Symbol	Model Scale	Full Scale
S_W	0.2690	2690.00
X_{BRC}	18.177	1817.700
X_{MRC}	9.760	976.000
X_{WRC}	20.480	2048.000
Y_{BRC}	0.000	0.000
Y_{MRC}	0.000	0.000
Y_{WRC}	1.050	105.000
Z_{BRC}	7.265	726.500
Z_{MRC}	4.000	400.000
$\left(\delta E_{I_L} / {}^{HM}E_I\right)$	0.47513°/in-lb (+HM) -- 0.20625°/in-lb (-HM) --	
$\left(\delta E_{O_L} / {}^{HM}E_O\right)$	0.36667°/in-lb (+HM) -- 0.18333°/in-lb (-HM) --	

The wind tunnel coefficient data presented in this report have been corrected for base cavity and base pressure effects. These data have also been interpolated versus Mach number, angle-of-attack, and angle-of-sideslip. Data set 31 could not be interpolated versus these variables and therefore this interpolated data set is not present in this report.

The following coefficients were requested for additional interpolation versus elevon deflection angles (ELV-LI, ELV-LO), to the nominal values (see table II):

INPUT DATA SETS	COEFFICIENTS						
FJWOXX	CNW	CBW	CTW				
IJWOXX	CABO	CABT	CABS	CAF	CNF	CLMF	
MJWOXX	CYN	CBL	CY	CHEI	CHEO	ELV-LI	ELV-LO

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These interpolated coefficient data were combined to form the following data sets:

OUTPUT DATA SETS	COEFFICIENTS									
MJWAXX	CNW	CBW	CTW	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
MJWBXX	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	ELV-LI	CHEO	ELV-LO

Data sets 21-30 (Mach 2.50) could not be elevon interpolated due to limited data.

TABLE T.

TEST : IA94R

DATE : 6-7-76

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
2.50	2.00×10^6/FT	3.24	180
3.50	↓	2.37	↓
4.50		1.66	

BALANCE UTILIZED: LRC #840

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	800 LB		
SF	250 LB		
AF	125 LB		
PM	1600 IN-LB		
RM	500 IN-LB		
YM	500 IN-LB		

COMMENTS:

TABLE II.

TEST : IA94B(LaRC UPWT-1177) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/30/76

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{E_I}	PARAMETERS/VALUES $\delta_{E\phi}$	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.50	3.50	4.50	TEST RUN NUMBERS
(RS) JW001	ØTS + AT130	A	-6	8	-10	1	2			
02			-4			1	3			
03			0			1	1			
04			4			1	4			
05			6			1	5			
06			-6		-5	3	7	12	17	
07			-4			3	8	13	18	
08			0			3	6	11	16	
09			4			3	9	14	19	
10			6			3	10	15	20	
11			-6		4	2		22	27	
12			-4			2		23	28	
13			0			2		21	26	
14			4			2		24	29	
15			6			2		25	30	

(R) CPB1 | CPB2 | CPB3 | CPB4,5 | CPB6 | CPB7 | CPB8 | CPCØ | CAU | BETA | MACH | ALPHA | 10

(S) CYN | CBL | CLMU | CHEI | CHEØ | Q(PSF) | CY | BETA | CNU | | MACH | ALPHA | 9

(T) RN/L | L/DU | BETA | CLU | CDU | CNW | CBW | CTW | | | MACH | ALPHA | 8

TYPE OF DATA α OR β SCHEDULES: A) α = -8°, -6°, -4°, -2°, 0°, 2°, 4° COEFFICIENT SCHEDULES

IDVAR (1) | IDVAR (2) | NDV

TABLE II. (Continued)

TEST: IA94E(LaRC UPWT-1177) DATA SET/RUN NUMBER COLLATION SUMMARY DATE: 9/30/76

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{E_T}	PARAMETERS/VALUES δ_{E_ϕ}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.50	3.50	4.50	TEST RUN NUMBERS
(R/S) JW016	ØTS + AT130	A	-6	8	2	1	32			
17			-4			1	33			
18			0			1	31			
19			4			1	34			
20			6		↓	1	35			
21			-6		0	2		37	42	
22			-4			2		38	43	
23			0			2		36	41	
24			4			2		39	44	
25			6	↓		2		40	45	
26			-6	0		3	48	53	60	
27			-4			3	49	54	61	
28			0			3	47	52	59	
29			4			3	50	55	62	
↓ 30	↓	↓	6	↓	↓	3	51	56	63	

TYPE OF DATA α OR β SCHEDULES

COEFFICIENT SCHEDULES

IDVAR (1) IDVAR (2) NDV

TABLE II. (Continued)

TEST: IA94B(LaRC UPWT-1177) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/30/76

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{E_I}	PARAMETERS/VALUES δ_{E_ϕ}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.50	3.50	4.50	TEST RUN NUMBERS
(RSP) JW031	ØTS +AT130	A	0	0	0	3	46	57	64	(INVERTED)
32			-6		-5	3	66	71	76	
33			-4			3	67	72	77	
34			0			3	65	70	75	
35			4			3	68	73	78	
36			6		↓	3	69	74	79	
37			-6		4	2		81	86	
38			-4			2		82	87	
39			0			2		80	85	
40			4			2		83	88	
41			6		↓	2		84	89	
42			-6		2	1	91			
43			-4			1	92			
44			0			1	90			
45			4			1	93			
↓ 46	↓	↓	6	↓	↓	1	94			

TYPE OF DATA α OR β SCHEDULES — COEFFICIENT SCHEDULES — IDVAR (1) IDVAR (2) NDV

TABLE II. (Continued)

TEST: IA94B (LaRC UPWT-1177) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/30/76

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{E_I}	PARAMETERS/VALUES δ_{E_ϕ}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.50	3.50	4.50
(KSJ) JW047	ØTS + AT130	A	-6	0	-10	1	96		
48			-4			1	97		
49			0			1	95		
50			4			1	98		
51			6	↓		1	99		
52			-6	12		1	101		
53			-4			1	102		
54			0			1	100		
55			4			1	103		
56			6		↓	1	104		
57			-6		-5	3	106	111	116
58			-4			3	107	112	117
59			0			3	105	110	115
60			4			3	108	113	118
↓ 61	↓	↓	6	↓	↓	3	109	114	119

TEST RUN NUMBERS

TYPE OF DATA α OR β SCHEDULES — COEFFICIENT SCHEDULES — IDVAR (1) — IDVAR (2) — NDV

TABLE II. (Concluded)

TEST: IA94B (LaRC UPWT-1177) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/30/76

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_{ET}	PARAMETERS/VALUES $\delta_{E\phi}$	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.50	3.50	4.50	TEST RUN NUMBERS
(RS) JW062	ΦTS + AT120	A	-6	12	0	2		121	126	
063			-4			2		122	127	
064			0			2		120	125	
065			4			2		123	128	
066			6		↓	2		124	129	
067			-6		4	2		131	136	
068			-4			2		132	137	
069			0			2		130	135	
070			4			2		133	138	
071			6		↓	2		134	139	
072			-6		2	1	141			
073			-4			1	142			
074			0			1	140			
075			4			1	143			
↓ 076	↓	↓	6	↓	↓	1	144			

TYPE OF DATA α OR β SCHEDULES — COEFFICIENT SCHEDULES — IDVAR (1) — IDVAR (2) — NDV

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT_{28}

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (left-hand and right-hand) (two members)

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		FULL SCALE	MODEL SCALE
Member #1	X_o	1317.00	13.170
	Y_o	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z_o	267.50	2.675
	X_T	2058.0	20.580
	Y_T	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z_T	515.50	5.155
Member #2	X_o	1317.0	13.170
	Y_o	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z_o	267.50	2.675
	X_T	1872.0	18.720
	Y_T	- 125.68 (LH)	- 1.257
		125.68 (RH	1.257
	Z_T	504.5	5.045
Diameter, In.			
	#1	11.5	0.115
	#2	15.5	0.155

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{30}

GENERAL DESCRIPTION: Forward SRB to ET attach structure (left-hand and right-hand)

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000066, Martin-Marietta 82600204300, VC78-000002

DIMENSIONS:		FULL SCALE	MODEL SCALE
Attach point, in.	X_T	985.675	9.856
	Y_T	- 172.50 (LH) + 172.50 (RH)	- 1.725 + 1.725
	Z_T	00	0.0
	X_S	442.675	4.427
	Y_S	80.0	0.800
	Z_S	0.0	0.0
	X_O	244.675	2.447
	Y_O	- 184.5 + 184.5	- 1.845 + 1.845
	Z_O	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{31}

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH and RH), 3 members

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, VL78-000066, VC78-000002

DIMENSIONS: in.

		FULL SCALE	MODEL SCALE
Member #1	X_T	2058.00	20.580
	Y_T	- 171.50 (LH)	- 1.715
		171.50 (RH)	1.715
	Z_T	457.00	4.570
	X_S	1511.0	15.110
	Y_S	53.24	0.532
	Z_S	57.0	0.570
Member #2	X_T	2058.0	20.580
	X_T	- 163.85	- 1.639
	Z_T	449.81	4.498
	X_S	1511.0	15.110
	Y_S	76.56	0.766
	Z_S	15.73	0.157
Member #3	X_T	2058.00	20.580
	X_T	- 161.72	- 1.617
	Z_T	343.0	3.430
	X_S	1511.0	15.110
	Y_S	53.24	0.532
	Z_S	- 57.00	- 0.570

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{130}

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 members structure).

MODEL SCALE: 0.010

DRAWING NUMBER: SS-A01692

DIMENSIONS:

		FULL SCALE		MODEL SCALE
Orbiter attach point:	X_o	388.9		3.889
	Y_o	0	(LH)	0
		0	(RH)	0
	Z_o	283.8		2.838
	X_T	1129.9		11.299
	Y_T	0	(LH)	0
		0	(RH)	0
	Z_T	620.3		6.203
Tank attach point:	X_T	388.9		3.889
	Y_T	42.75	(LH)	.4275
		42.75	(RH)	.4275
	Z_T	227.5		2.275
	X_o	1129.9		11.299
	Y_o	42.75	(LH)	.4275
		42.75	(RH)	.4275
	Z_o	564.0		5.640

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
AT_{131}	Rear Orbiter/External Tank attach structure per ICD-2-00001, Rev. B, model dwg. SS-A01668-3. This attach structure is a connecting link between R. H. AT_{28} and External Tank.

Located at:

Model Scale-In.	Full Scale-In.
X_T = 20.580	X_T = 2058.00

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B_{26}

GENERAL DESCRIPTION: Configuration 140A/B orbiter fuselage

NOTE: B_{26} is identical to B_{24} except underside of fuselage has been refaired to accept W_{116}.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER: VL70-000143B, -000200, -000205, -006089, -000145
VL70-000140A, -000140B

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta. X_0 = 235), In.	1293.3	12.933
Length (IML: Fwd Sta. X_0 = 238), In.	1290.3	12.903
Max Width (@ X_0 = 1528.3), In.	264.0	2.640
Max Depth (@ X_0 = 1464), In.	250.0	2.500
Fineness Ratio	0.264	0.264
Area - Ft^2		
Max. Cross-Sectional	340.88	0.034

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C_9

GENERAL DESCRIPTION: Configuration 3A. Canopy used with fuselage B_{26}.

MODEL SCALE: 0.0100 MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER: VL70-000143A

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (X_0 = 434.643 to 578), In.	143.357	1.434
Max Width (@ X_0 = 513.127), In.	152.412	1.524
Max Depth (@ X_0 = 485.0), In.	25.000	0.250

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON, E_{52}

GENERAL DESCRIPTION: Elevon for Configuration 140C. Hingeline at X_o = 1387, elevon split line X_c = 312.5. 6.0" gaps. beveled edges, and centerbodies.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, -006089, -006092, SS-A0137

DIMENSIONS: (Data for one side)	FULL SCALE	MODEL SCALE
Area - Ft^2	210.0	0.0210
Span (equivalent) - In.	349.2	3.492
Inb'd equivalent chord - In.	118.0	1.180
Outb'd equivalent chord - In.	55.19	0.552
Ratio movable surface chord/ total surface chord		
At inb'd equiv. chord	0.2096	0.2096
At outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	-10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)-ft^3	1587.25	.001587
Mean Aerodynamic Chord, In.	90.7	0.907
Hingeline dihedral (origin at Z_o = 261.3509), deg.	5.228986	5.228986

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F_{10}

GENERAL DESCRIPTION: Configuration 140C body flap. Hingeline located at X_0 = 1532, Z_0 = 287.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, VL70-355114

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (X_0 = 1525.5 - X_0 = 1613), In.	87.50	0.875
Max Width (@ L.E., X_0 = 1525.5), In.	256.00	2.560
Max Depth (X_0 = 1532), In.	19.798	0.198
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional (@ H.L.)	35.196	0.0035
Planform	135.00	0.014
Wetted		
Base (X_0 = 1613), In.	4.89	0.0005

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL_{10}

GENERAL DESCRIPTION: LH_2 feedline on upper left-hand side of T_{35}

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	2071.5	20.715
	Y_T	- 70.0	- 0.700
	Z_T	573.934	5.739
Tailing edge at:	X_T	2081.8	20.818
	Y_T	- 70.0	- 0.700
	Z_T	584.059	5.841
Line diameter (17.0 I.D.)		18.160	0.182

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL_{11}

GENERAL DESCRIPTION: LO_2 feedline on upper right-hand side of T_{35}

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1000.667	10.007
	Y_T	70.00	0.700
	Z_T	564.340	5.643
Trailing edge at:	X_T	2071.5	20.715
	Y_T	70.00	0.700
	Z_T	573.934	5.739
Line diameter (17.0 I.D.)		18.16	0.182

Centerline of line located radially at $\phi = 203^{o}4'$

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FAIRING -FR_{10}

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter attach structure

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at	X_T	2052.0	20.520
Length , In.		193.0	1.930
Width , In.		15.00	0.150

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
FR_{14}	External Tank nose cable fairing per model dwg. SS-A01668-5 located at:
	Model Scale: X_T = 3.490—3.710, In. ; ϕ = 31°31'
	Full Scale: X_T = 349.00—371.00, In. ; ϕ = 31°31'
FR_{15}	External Tank nose probe fairing per model dwg. SS-A01668-5 located at:
	Model Scale: X_T = 3.413—3.710, In.
	Full Scale: X_T = 341.30—371.00, In.
FR_{16}	External Tank LO_2 feedline (F_{11}) fairing per model dwg. SS-A01668-3 located at:
	Model Scale: X_T = 9.820—10.420, In.
	Full Scale: X_T = 982.00—1042.00, In.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
FR_{17}	External Tank LO_2 antigeyser line (PT_{23}) fairing per model dwg. SS-A01668-3. Located at:
	Model Scale: X_T = 9.860—10.460, In. ϕ = 33°45'
	Full Scale: X_T = 986.00—1046.00, In. ϕ = 33°45'
FR_{18}	External Tank aft electrical conduit (PT_{25}) fairing per model dwg. SS-A01668-3. Located at:
	Model Scale: X_T = 10.670—10.820, In. ϕ = 37°30'
	Full Scale: X_T = 1067.00—1082.00, In. ϕ = 37°30'
FR_{19}	External Tank LH_2 pressure line (PT_{33}) fairing per model dwg. SS-A01668-9. Located at:
	Model Scale: X_T = 10.600—11.269, In. ϕ = 30°0'
	Full Scale: X_T = 1060.00—1126.90, In. ϕ = 30°0'

TABLE III. MODEL DIMENSIONAL DATA(Continued)

MODEL COMPONENT: OMS POD - M_{16}

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-008401, VL70-008410

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta. X_0 = 1310.5), In.	258.50	2.585
Max Width (@ X_0 = 1511), In.	136.8	1.368
Max Depth (@ X_0 = 1511), In.	74.70	0.747
Fineness Ratio	2.484	2.484
Area - Ft^2		
Max. Cross-Sectional	58.864	0.589

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
N_{89}	Orbiter OMS nozzles located on OMS pods M_{16} per model dwg. SS-A01317-2.
N_{106}	Solid Rocket Booster nozzle located on SRB S_{24} per model dwg. SS-A01667-8. Located at: Model Scale: X_S = 18.371→19.306, In. Dia. = 1.479, In. Full Scale: X_S = 1837.10→1930.60, In. Dia. = 147.85, In.
PS_{20}	Solid Rocket Booster electrical conduit per model dwg. SS-A01667-12. Located at: Model Scale: X_S = 4.424→18.577, In. ϕ = 90° LH, 180° LH Full Scale: X_S = 442.40→1857.70, In. ϕ = 90° RH, 180° LH
PS_{23}	Solid Rocket Booster forward separation motors per model dwg. SS-A01667-42. Model Scale: X_S = 2.854 and 2.973, In. ϕ = 20°RH, 340°LH Full Scale: X_S = 285.40 and 297.30, In. ϕ = 20°RH, 340°LH

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT : SRB Protuberance - PS_{27}

GENERAL DESCRIPTION : SRM nozzle actuator struts (2)

MODEL SCALE: 0.010

DRAWING NUMBER : ICD-2-00001, Rev. B; SS-A01667, Rev. C

DIMENSIONS : inches	FULL SCALE	MODEL SCALE
Length	21.25	0.213
Width	3.0	0.030
Height/Depth	4.890	0.049
L. E. Location	1839.137	18.391
T. E. Location	1860.387	18.604
ϕ, Degrees	45 135	45 135

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
PS_{26}	Solid Rocket Booster aft attach ring per model dwg. SS-A01667-4 located at: Model Scale: X_s = 15.110, In. Full Scale: X_s = 1511.00, In.
PS_{28}	Solid Rocket Booster separation rocket motor fairings per model dwg. SS-A01667-38. Located on SRB skirt aft of rear structural ring at ϕ = 0→36° RH, 324°→360° LH .
PS_{29}	Solid Rocket Booster tiedown struts located on SRB skirt per model dwg. SS-A01667-30, located at: Model Scale: X_s = 18.603→19.306,In. ϕ = 30°,150°,210°,330° Full Scale: X_s = 1860.30→1930.60, In. ϕ = 30°,150°,210°,330°
PS_{30}	Solid Rocket Booster auxiliary power unit exhaust outlets per model dwg. SS-A01667-36, located at: Model Scale: X_s = 19.306, In. ϕ = 30°30' RH =329°30' LH Full Scale: X_s = 1930.60, In. ϕ = 30°30' RH =329°30' LH

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
PS_{31}	Solid Rocket Booster command antenna per model dwg. SS-A01667-28, located at: Model Scale: X_s = 4.026→4.526, In.; ϕ = 0° & 180° Full Scale: X_s = 402.60→452.60, In.; ϕ = 0° & 180°
PS_{32}	Solid Rocket Booster data capsule and camera per model dwg. SS-A01667-26, located at: Model Scale: X_s = 4.017 - 4.402, In.; ϕ = 90° RH; =270° LH Full Scale: X_s = 401.70 - 440.20, In.; ϕ = 90° RH; = 270° LH
PS_{33}	Solid Rocket Booster 3 intermediate structural rings per model dwg. SS-A01667-8, located at: Model Scale: X_s = 16.559, In.; = 17.319; = 17.760 Full Scale: X_s = 1655.90, In.; = 1731.90; = 1776.00

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
PS_{34}	Solid Rocket Booster aft cable housing per model dwg. SS-A01667-12, located at: Model Scale: X_s = 4.726→18.554, In. ϕ = 90° RH = 180° LH Full Scale: X_s = 472.60→1855.40, In. ϕ = 90° RH = 180° LH
PS_{35}	Solid Rocket Booster aft structural ring per model dwg. SS-A01667-8, located at: Model Scale: X_s = 18.371, In. Full Scale: X_s = 1837.10, In.
PS_{36}	Solid Rocket Booster aft separation motors located on aft SRB skirts per model dwg. SS-A01667-38. Located aft of SRB rear structural ring at ϕ = 0→36° RH = 324°→360° LH.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO_2 RECIRCULATION LINE - PT_{23}

GENERAL DESCRIPTION: LO_2 recirculation line on right-hand upper side of T_{35}.

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS: in.		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1040.667	10.407
	Y_T	94.169	0.942
	Z_T	540.934	5.409
Trailing edge at:	X_T	2062.920	20.629
	Y_T	70.0	0.700
	Z_T	573.934	5.739
Line diameter, In.		4.0	0.040

Centerline of line located radially at $\phi = 213^{\circ}45'$.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELECTRICAL LINE - PT_{25}

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T_{35} with LH_2 pressure sensor line and LO_2 vent valve actuator line

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	1084.333	10.843
	Y_T	99.591	0.996
	Z_T	539.620	5.396
Trailing edge at:	X_T	2058.00	20.580
	Y_T	99.591	0.996
	Z_T	539.620	5.396
Line diameter		2.0 x 6.0	0.02x0.06

Centerline of line located radially at $\phi = 215.5^{\circ}$

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO_2 PRESSURE LINE - PT_{26}

GENERAL DESCRIPTION: LO_2 pressure line on the T_{35}

MODEL SCALE: 0.010

DRAWING NUMBER VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X_T	360.733	3.607
	Y_T	15.145	1.515
	Z_T	407.718	4.077
Trailing edge at:	X_T	2083.5	20.835
	Y_T	63.25	0.633
	Z_T	609.0	6.090
Line diameter		2.0	0.020

Centerline of line located radially at $\phi = 207^o$

TABLE III. MODEL DIMENSIONAL DATA (Continued)

Component	Definition
PT_{29}	External Tank fwd. electrical conduit per model dwg. SS-A01667-6. Located at:
	Model Scale: X_T = 3.607→8.600, In.; ϕ = Adjacent to PT_{26}
	Full Scale: X_T = 360.73→860.00, In.; ϕ = Adjacent to PT_{26}
PT_{33}	External Tank LH_2 pressure line per model dwg. SS-A01668-9. Located at:
	Model Scale: X_T = 10.600→20.580, In.; ϕ = 330°0'
	Full Scale: X_T = 1060.00→2058.00, In.; ϕ = 330°0'
PT_{39}	External Tank nose probe per model dwg. SS-A01668-5. Located at:
	Model Scale: X_T = 3.225→3.413, In.; Max. Dia. = .069 in.
	Full Scale: X_T = 322.5→341.3, In.; Max. Dia. = 6.90 in.

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R_5

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area - Ft^2	100.15	0.010
Span (equivalent), In.	201.0	2.010
Inb'd equivalent chord, In.	91.585	0.916
Outb'd equivalent chord, In.	50.833	0.508
Ratio movable surface chord/total surface chord		
At inb'd equiv. chord	0.400	0.400
At outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Trailing edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Product of Area and $\bar{c}$)Ft^3	610.92	0.0006
Mean Aerodynamic Chord, In.	73.2	0.732

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S_{24}

GENERAL DESCRIPTION: Booster Solid Rocket - Modified Vehicle 5, per ICD-2-00001, Rev. B

DRAWING NUMBER: SS-A01690, SS-A01667

SCALE: 0.010

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (Includes Nozzle) - in.	1789.6	17.896
Max. Width (Tank Dia.) - in.	150.0	1.500
Max. Depth (aft Shroud) - in.	208.0	2.08
Fineness Ratio	11.931	11.931
Area - Ft^2		
Max. Cross-Sectional	236.0	.02360
Planform		
Wetted		
Base		
WP of BSRM Centerline (Z_T) - in.	400.00	4.000
FS of BSRM Nose (X_T) - in.	200.00	2.000

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: EXTERNAL TANK T_{35}

GENERAL DESCRIPTION: Spike nose configuration, updated Vehicle-5 (Dimensions are to tank structural OML, TPS included.).

MODEL SCALE: 0.010

DRAWING NUMBER: VC78-000002A, ICD-2-00001, Rev. B, VC72-000002E

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, In.	1852.500	18.525
Max Width, In.	336.000	3.360
Max Depth, In.	336.000	3.360
Fineness Ratio	5.513	5.513
Area - Ft^2		
Max. Cross-Sectional	615.752	.06158
Planform	--	--
Wetted	--	--
Base	604.806	.06048

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V_8

GENERAL DESCRIPTION: Configuration 140A/B orbiter vertical tail

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00148, Release 6

DRAWING NUMBER: VL70-000146A

DIMENSIONS: TOTAL DATA	FULL SCALE	MODEL SCALE
Area (Theo) - Ft^2		
Planform	413.253	0.041
Span (Theo) - In.	315.720	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.2	26.2
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	268.500	2.685
Tip (Theo) WP	108.470	1.085
MAC	199.808	1.998
Fus. Sta. of .25 MAC	1463.50	14.635
W.P. of .25 MAC	635.522	6.355
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	10.0	10.0
Trailing Wedge Angle - Deg.	14.920	14.920
Leading Edge Radius	2.00	0.020
Void Area	13.17	0.001
Blanketed Area	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING-W_{127}

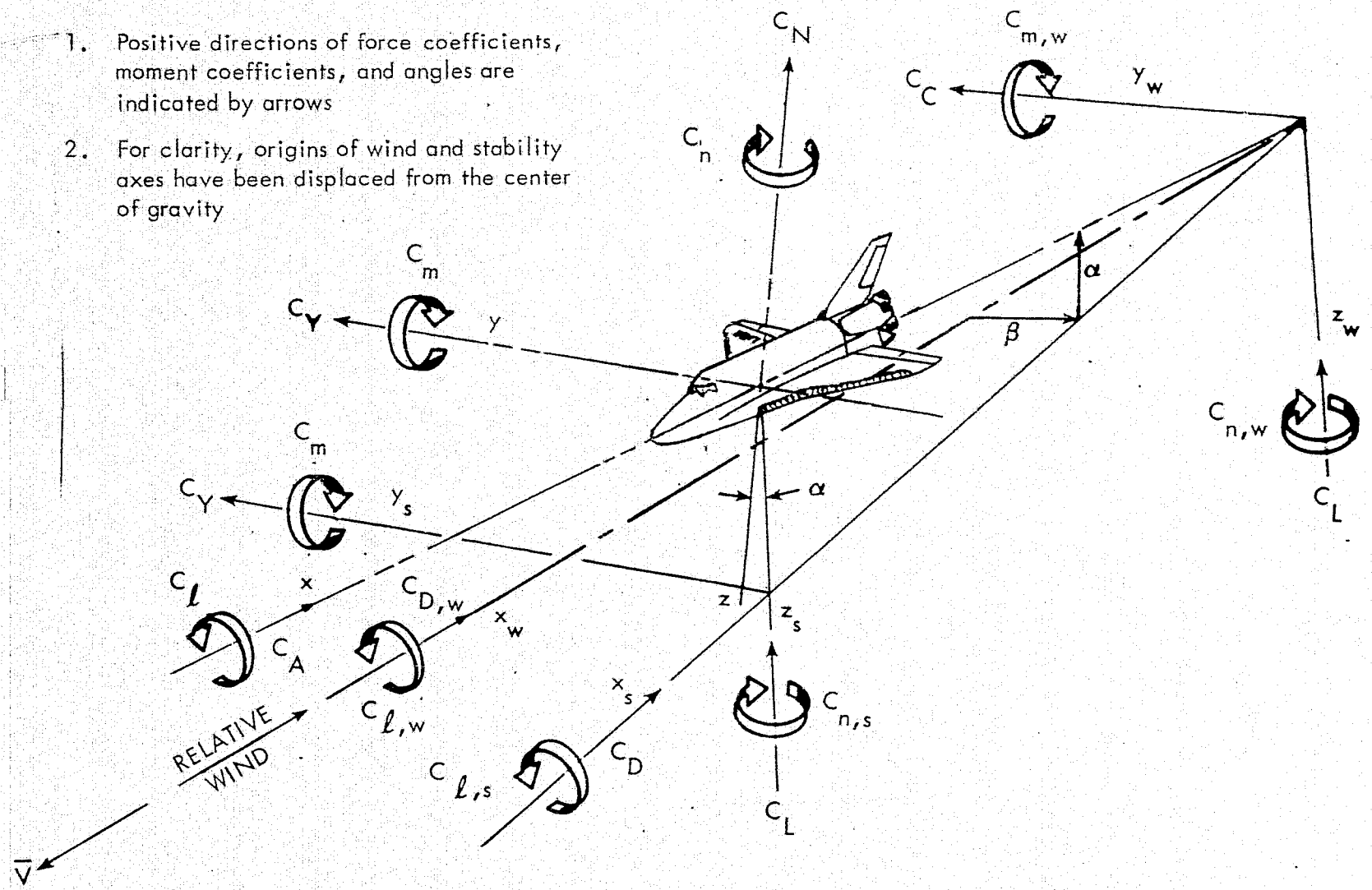
GENERAL DESCRIPTION: Configuration 140C, orbiter wing, MCR 200-R4, similar to 140A/B wing W_{116} but with refinements: improved wing-boot-midbody fairing (X_o = 940 to X_o = 1040); elevon split line relocated from Y_o = 281 to Y_o = 312.5. MODEL SCALE:0.010 DWG.NO: VL70-000140C,-000200B

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2		
Planform	2690.00	0.2690
Span (Theo) In.	936.68	9.3668
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.24	6.892
Tip (Theo) B.P.	137.85	1.379
MAC	474.81	4.748
Fus. Sta. of .25 MAC	1136.83	11.368
W.P. of .25 MAC	290.58	2.906
B.L. of .25 MAC	182.13	1.821
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	0.1752
Span (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	5.621
Tip 1.00 b/2	137.85	1.379
MAC	392.83	3.928
Fus. Sta. of .25 MAC	1185.98	11.860
W.P. of .25 MAC	294.30	2.943
B.L. of .25 MAC	251.77	2.518
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2	0.113	0.113
Tip b/2	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft^2	113.18	0.01132
Leading Edge Intersects Fus M.L. @ Sta	500.00	5.000
Leading Edge Intersects Wing @ Sta	1024.00	10.240

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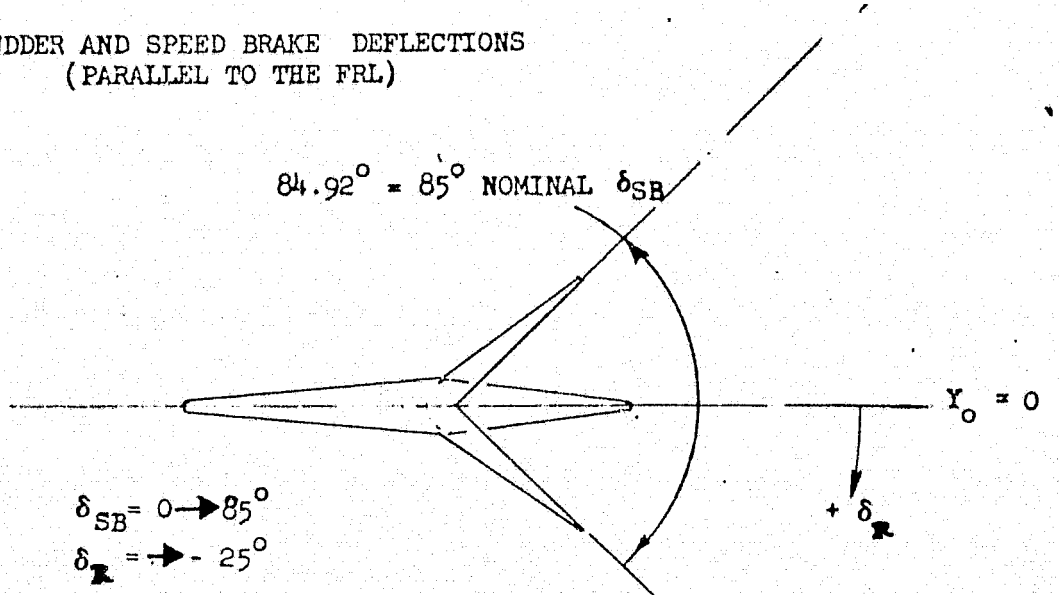
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



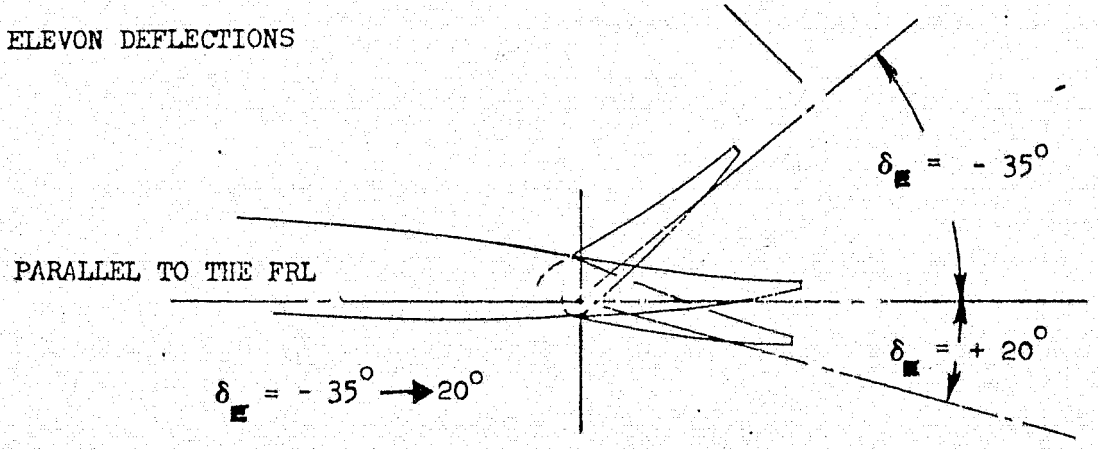
a. General

Figure 1. Axis systems.

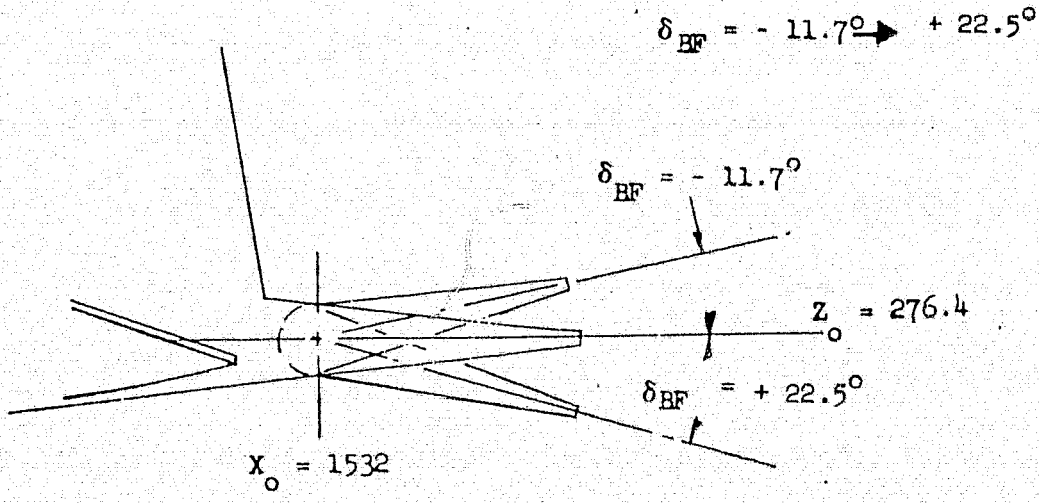
RUDDER AND SPEED BRAKE DEFLECTIONS
(PARALLEL TO THE FRL)



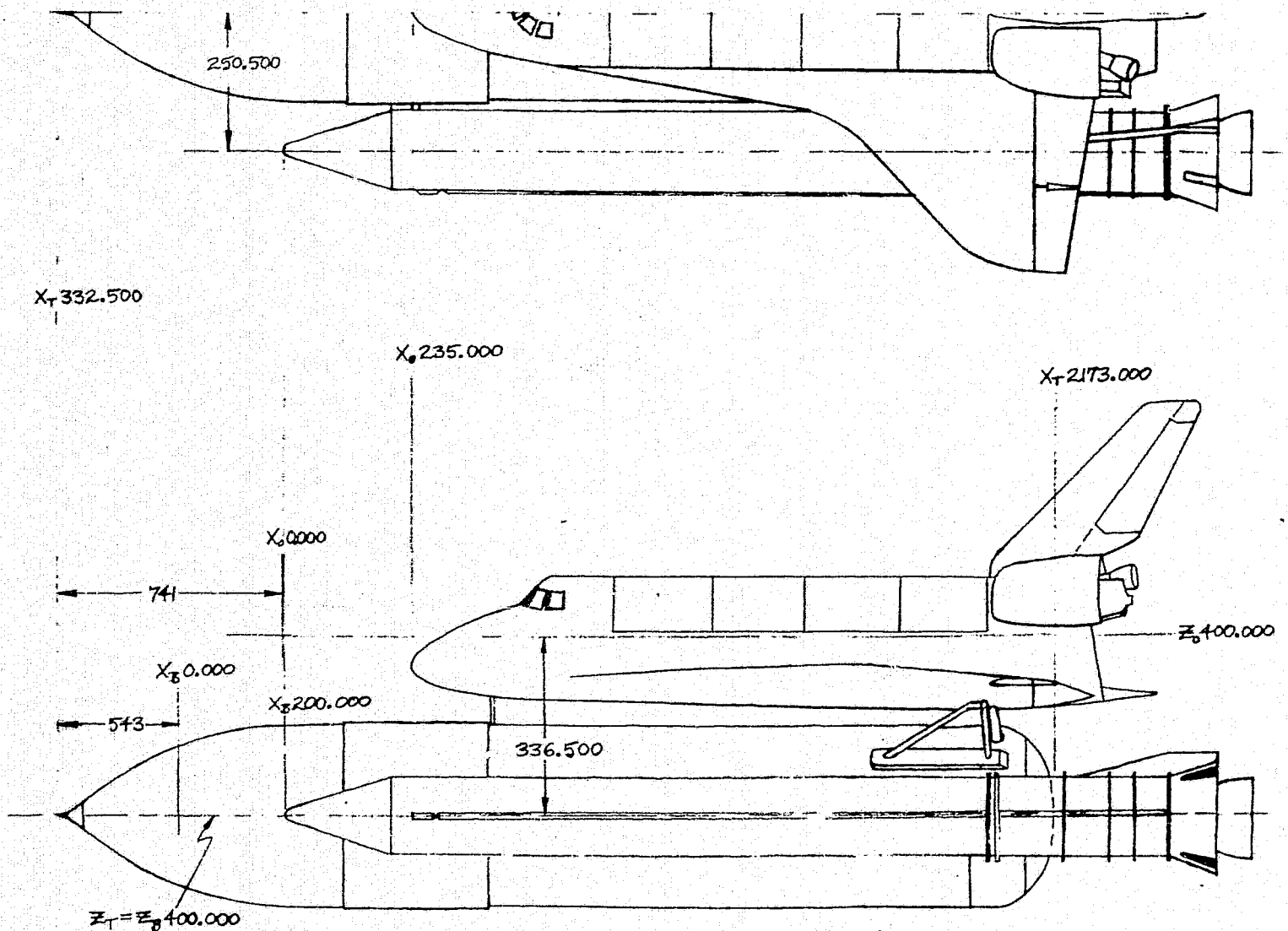
ELEVON DEFLECTIONS



BODY FLAP DEFLECTIONS

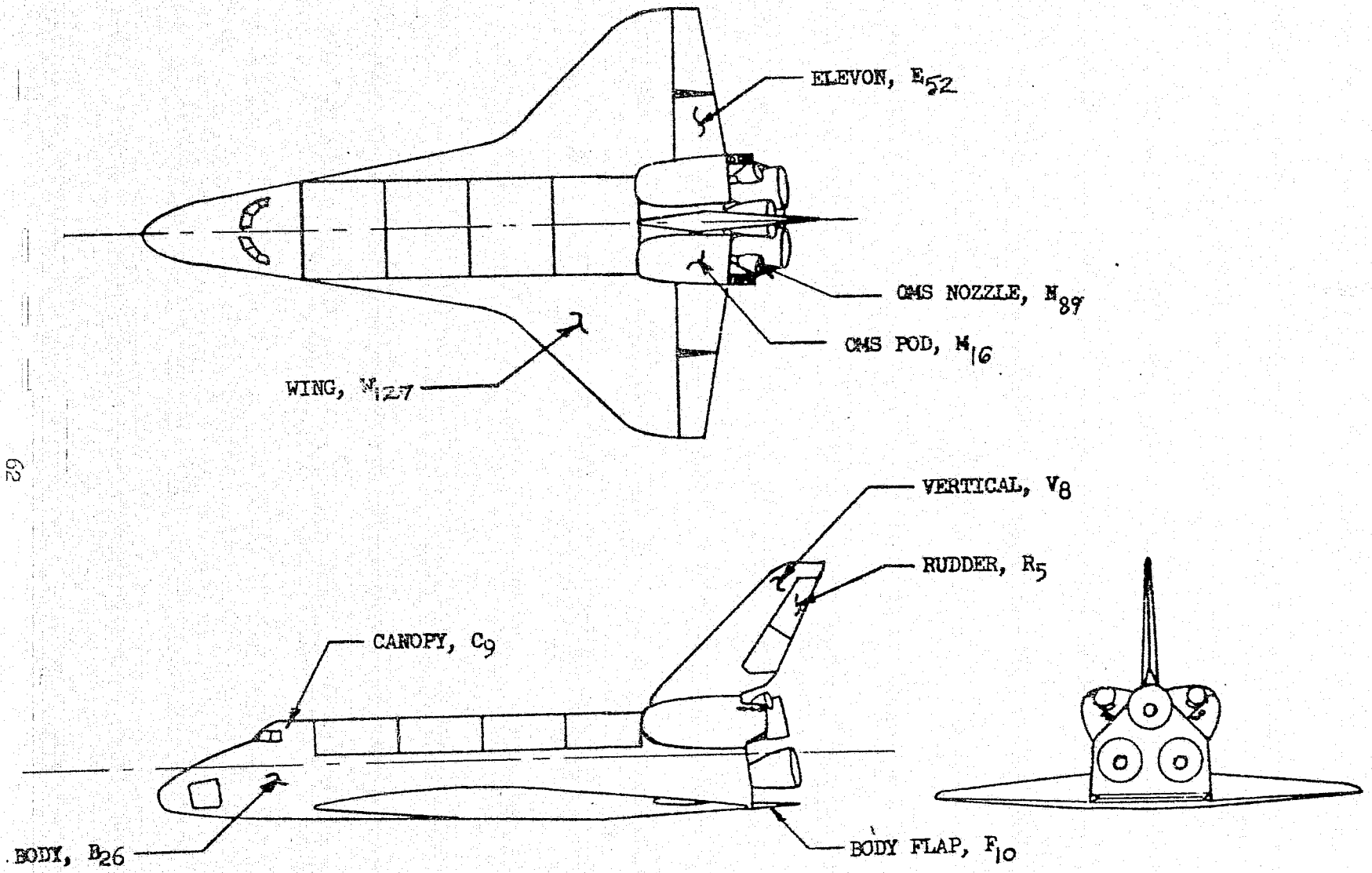


b. Control Surfaces
Figure 1. Continued.



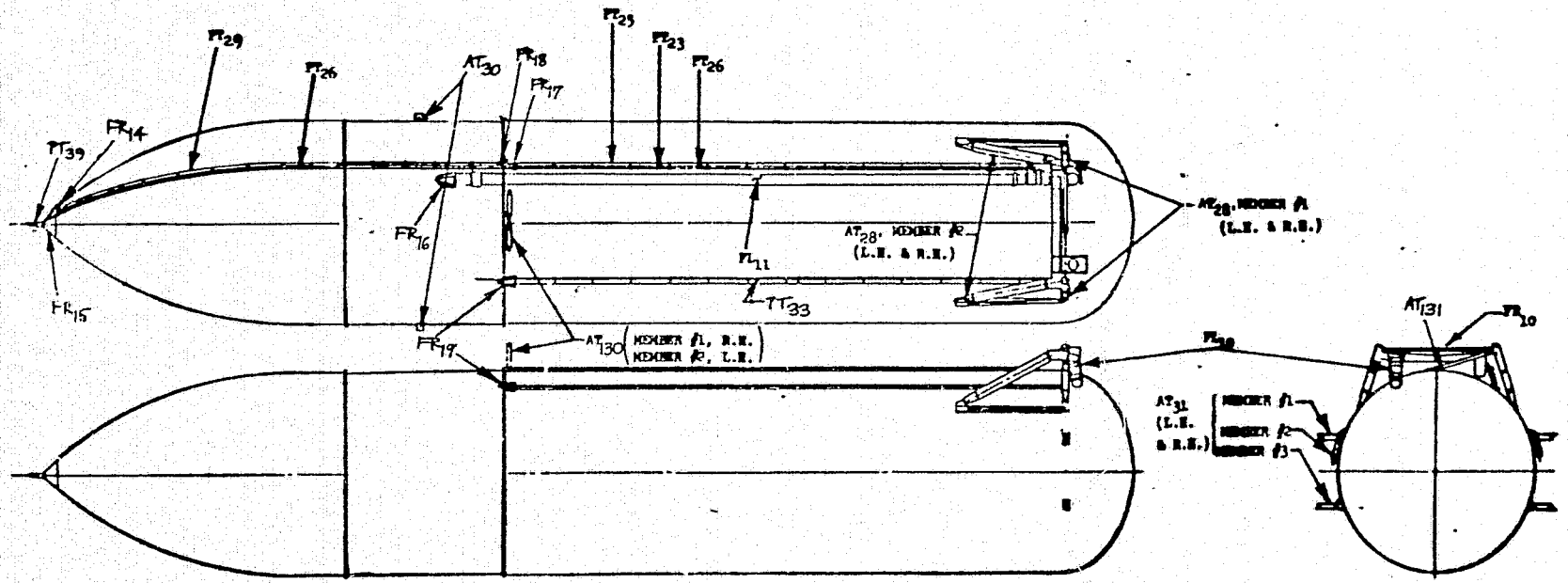
a. Updated Vehicle-5 Launch Configuration

Figure 2. Model sketches.



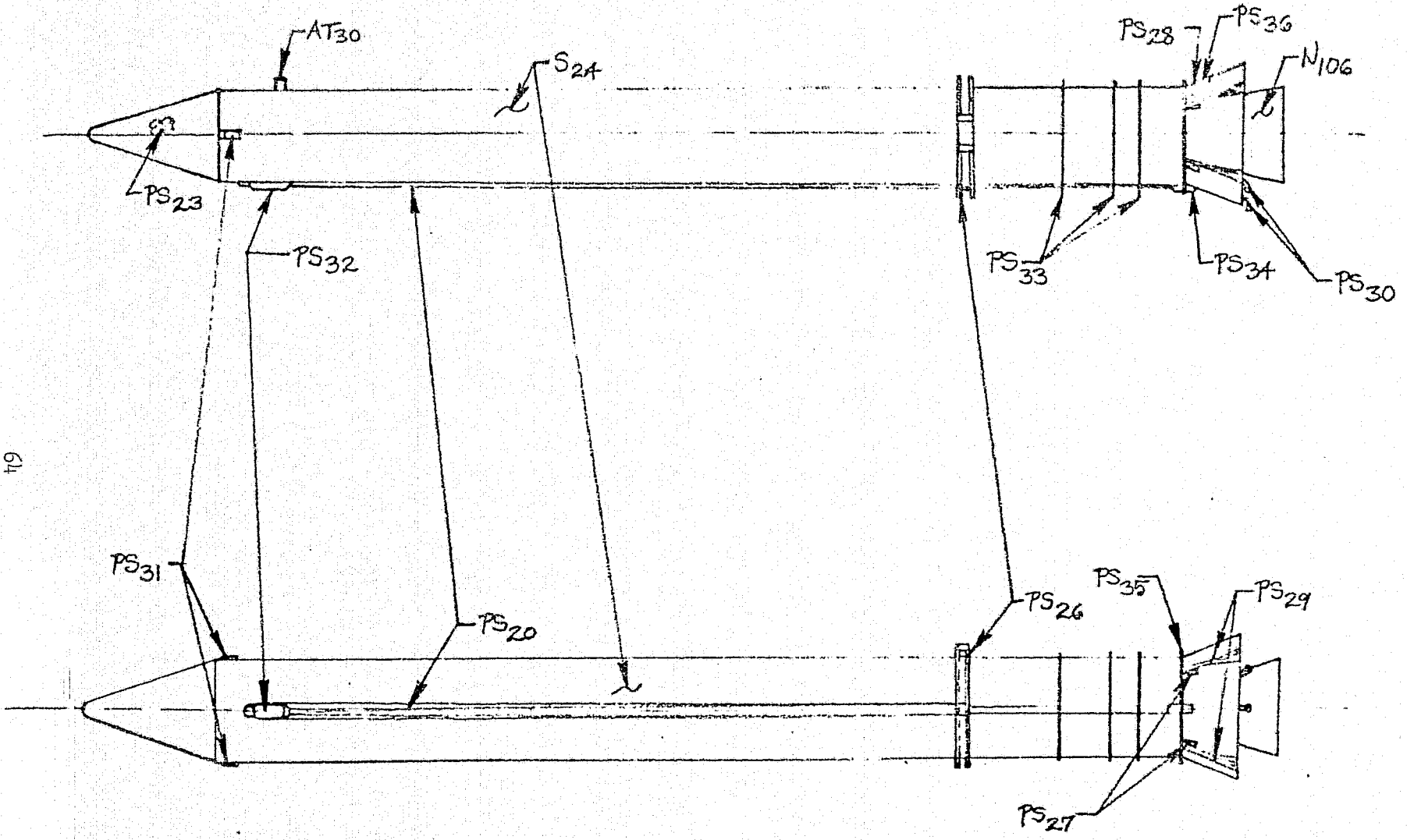
b. Orbiter

Figure 2. Continued.



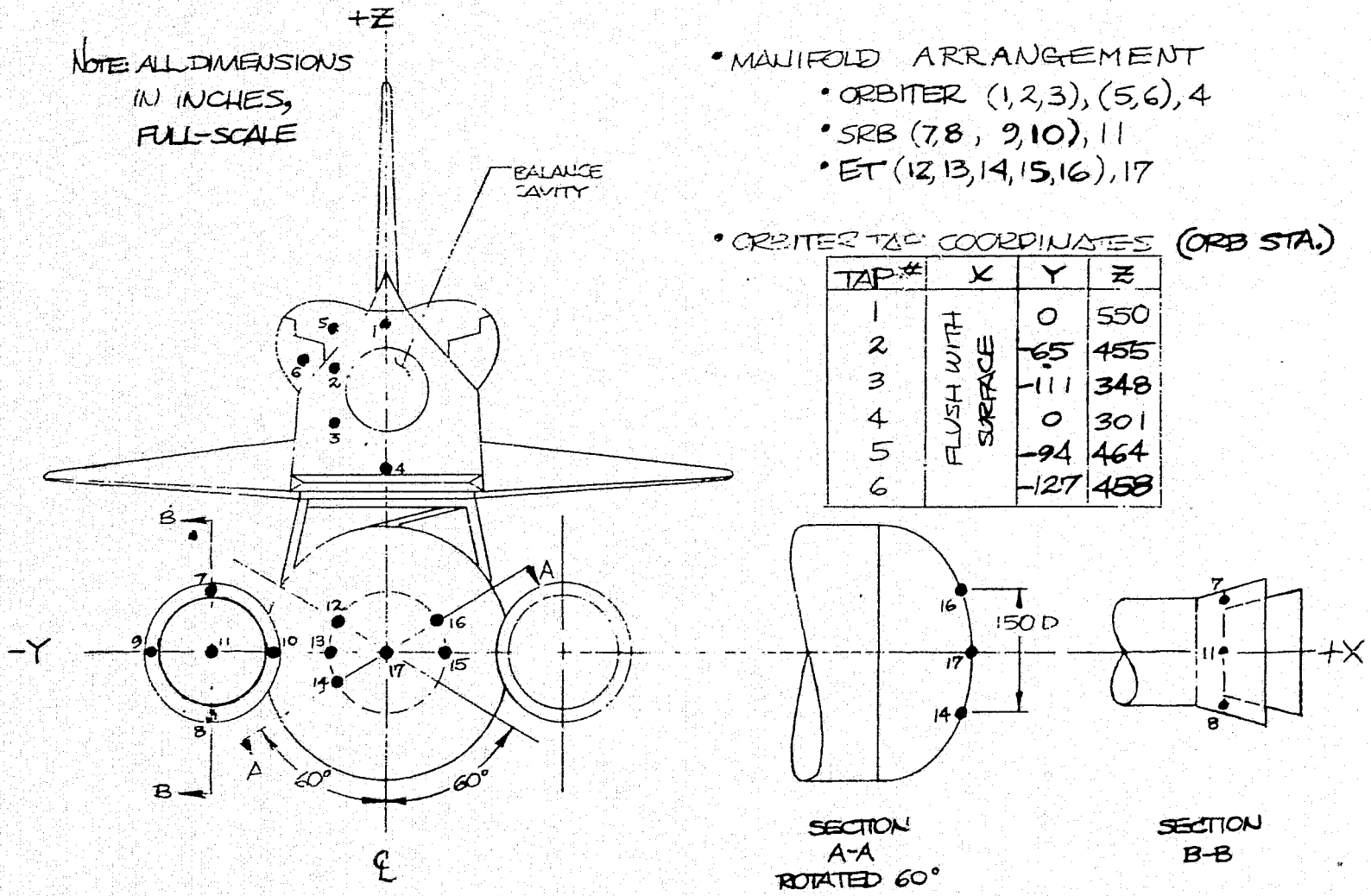
c. External Tank

Figure 2. Continued.



d. Solid Rocket Booster
Figure 2. Continued.

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e. Base Pressure Tap Locations

Figure 2. Concluded.

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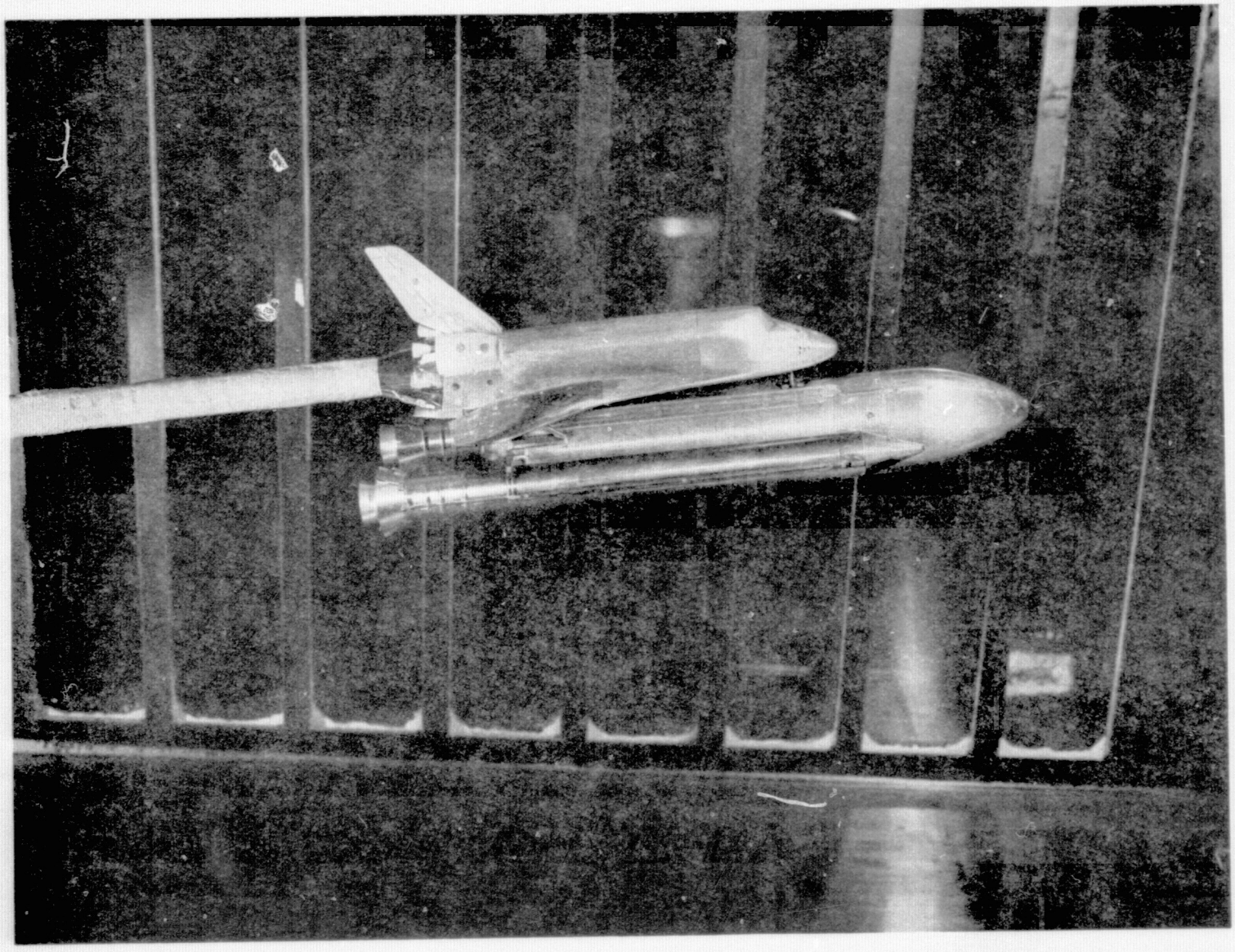


Figure 3. Model installation photograph.

DATA FIGURES

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB01	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

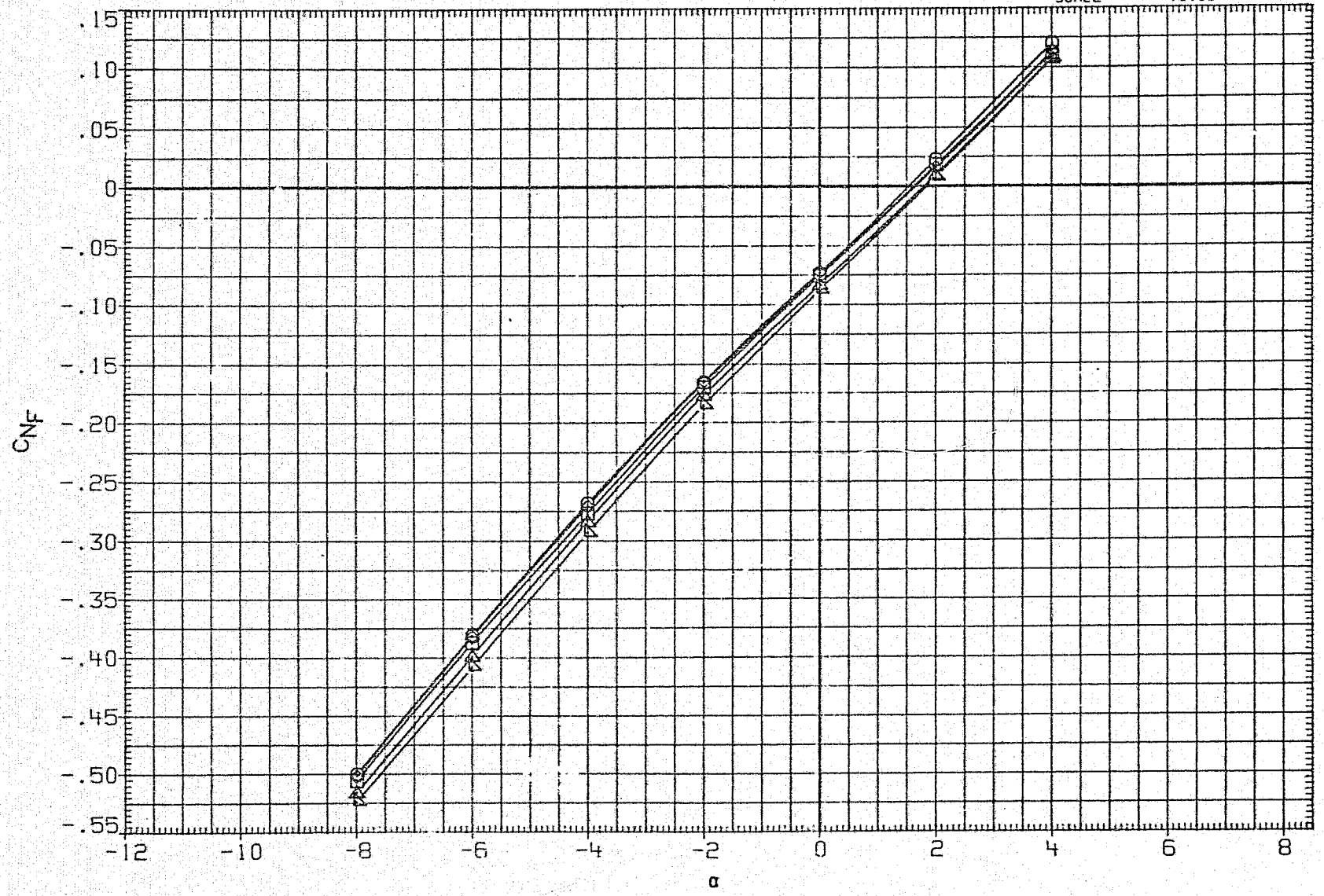


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB01	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1200.0000	INCHES
BREF	1680.0000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

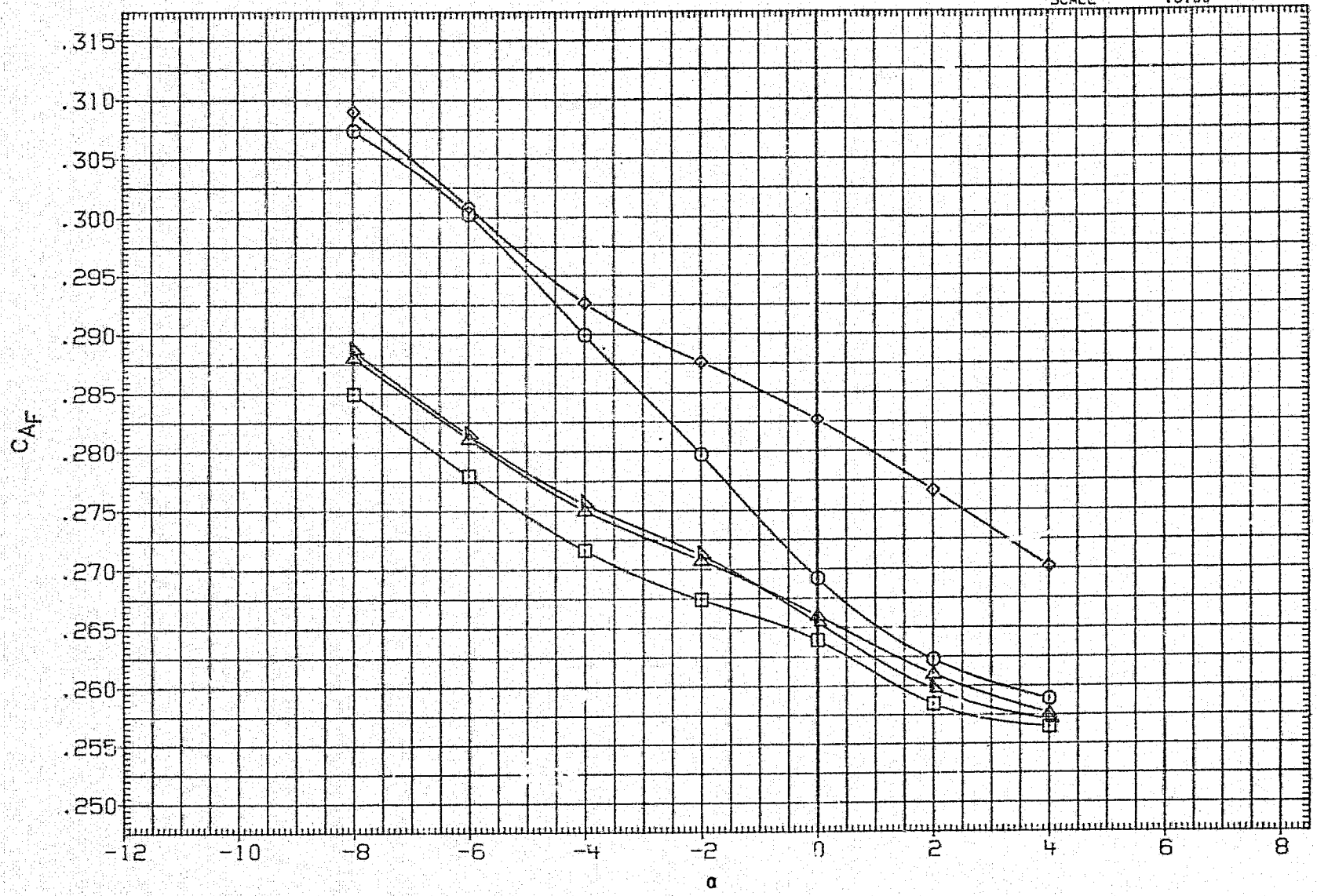


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB01	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

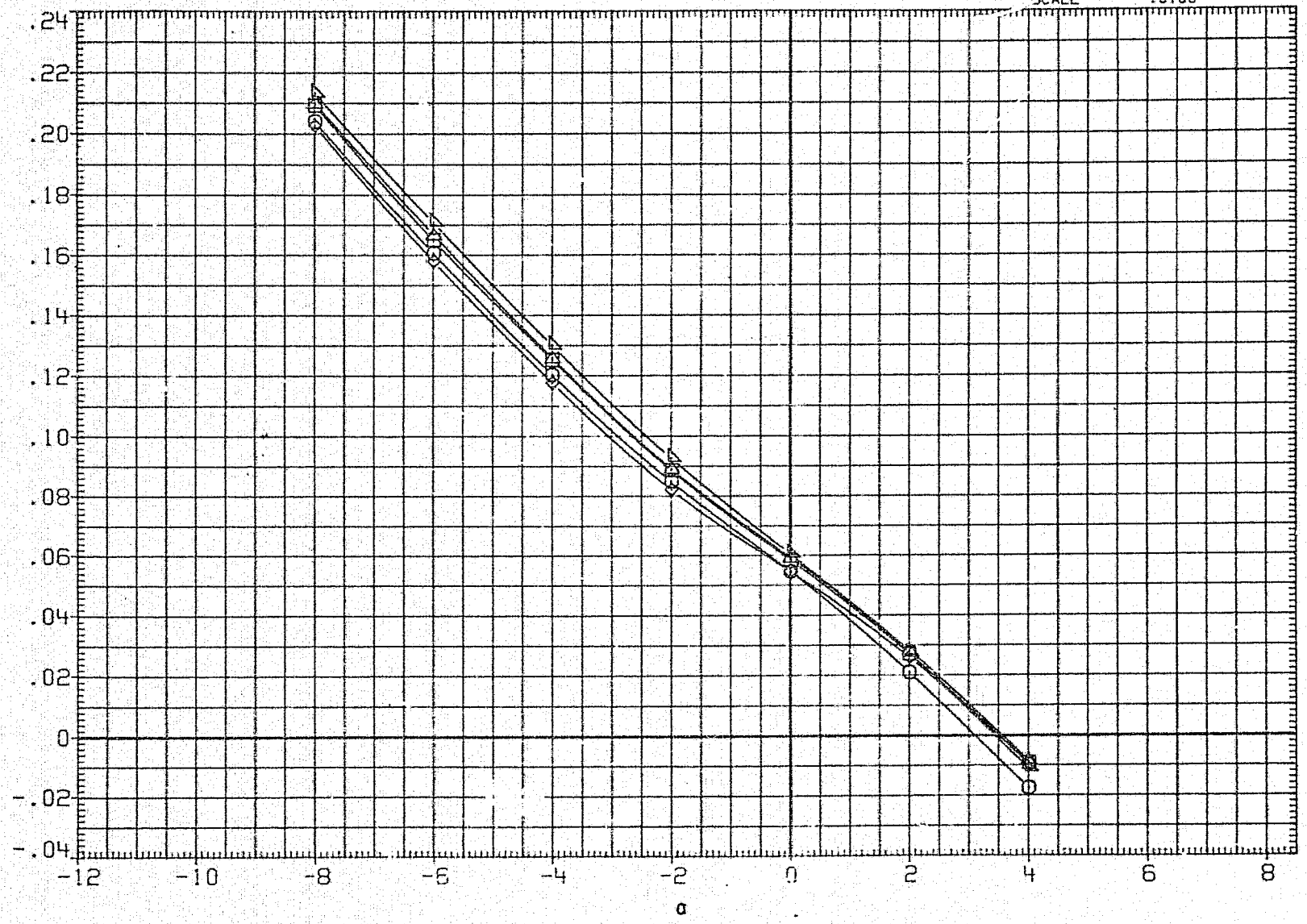


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L	ELV-LO	ELV-R	ELV-RO
MJWB01	○	LARC UPWT 1177(1A9WB) OTSAT130	-8.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. IN.
LREF	1290.0000	INCHES
BREF	1290.0000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

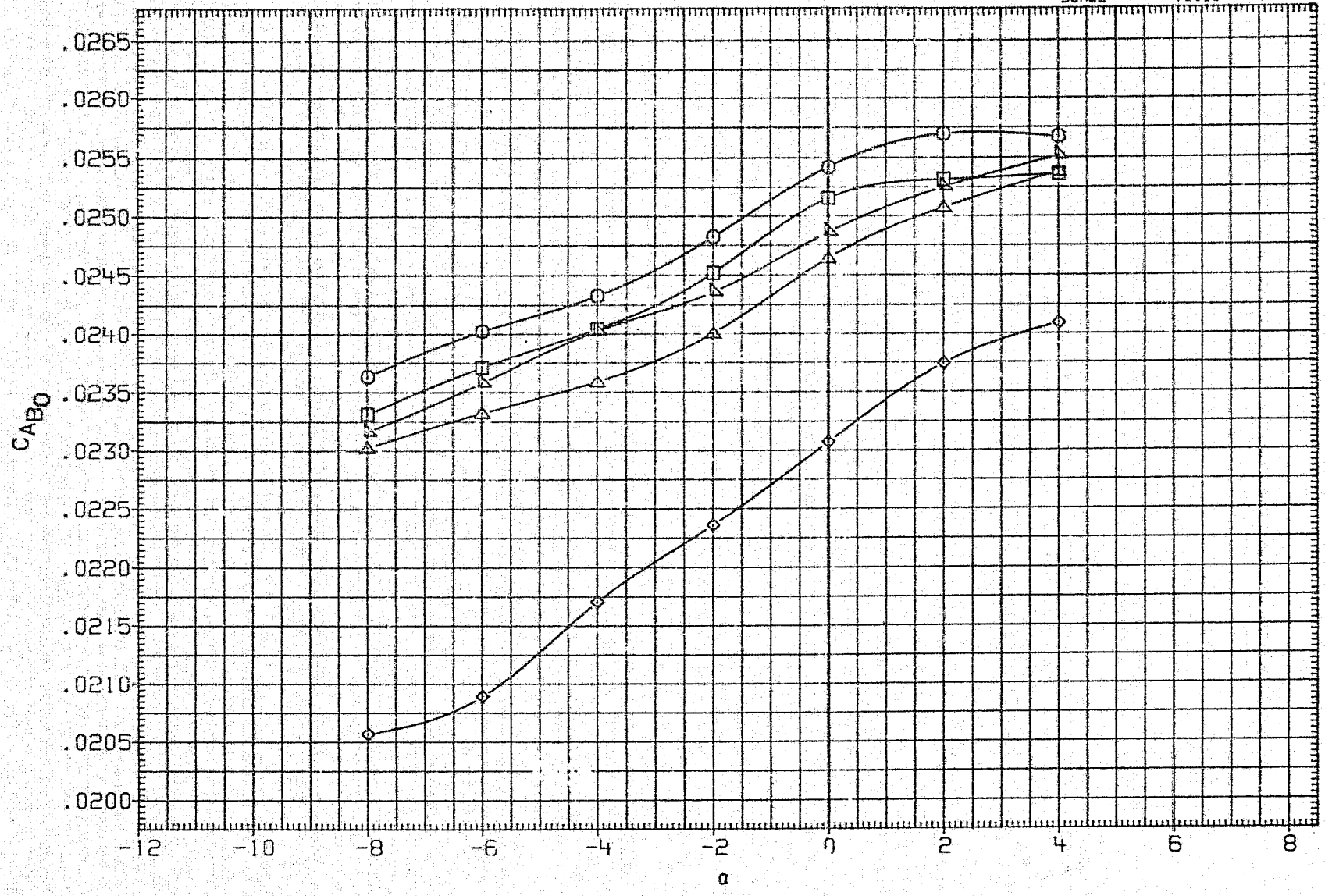


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB01	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	◺	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

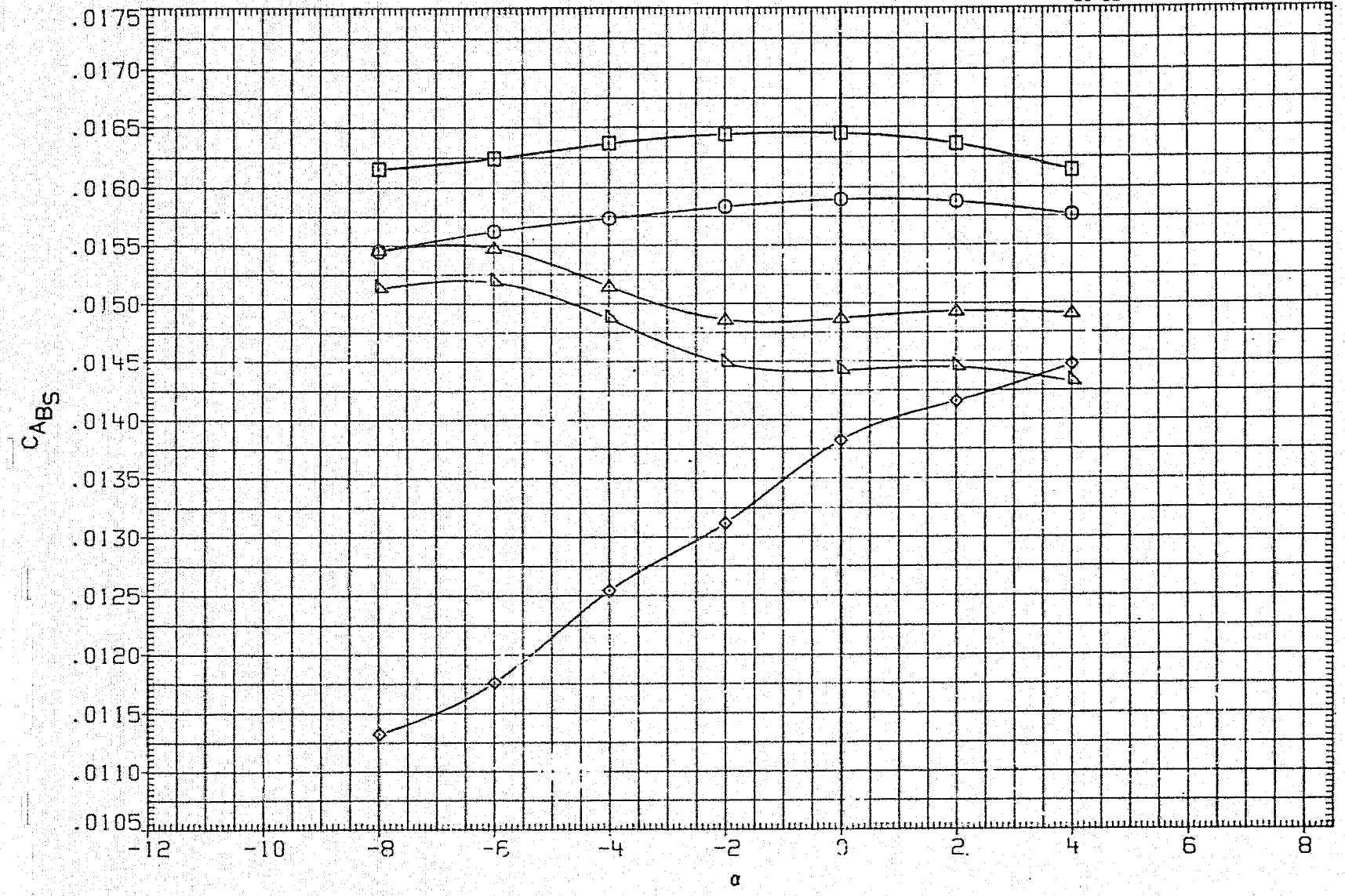


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB01	○	LARC UPWT 1177(1A94B1) OTSAT130
MJWB02	□	LARC UPWT 1177(1A94B1) OTSAT130
MJWB03	◇	LARC UPWT 1177(1A94B1) OTSAT130
MJWB04	△	LARC UPWT 1177(1A94B1) OTSAT130
MJWB05	▽	LARC UPWT 1177(1A94B1) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

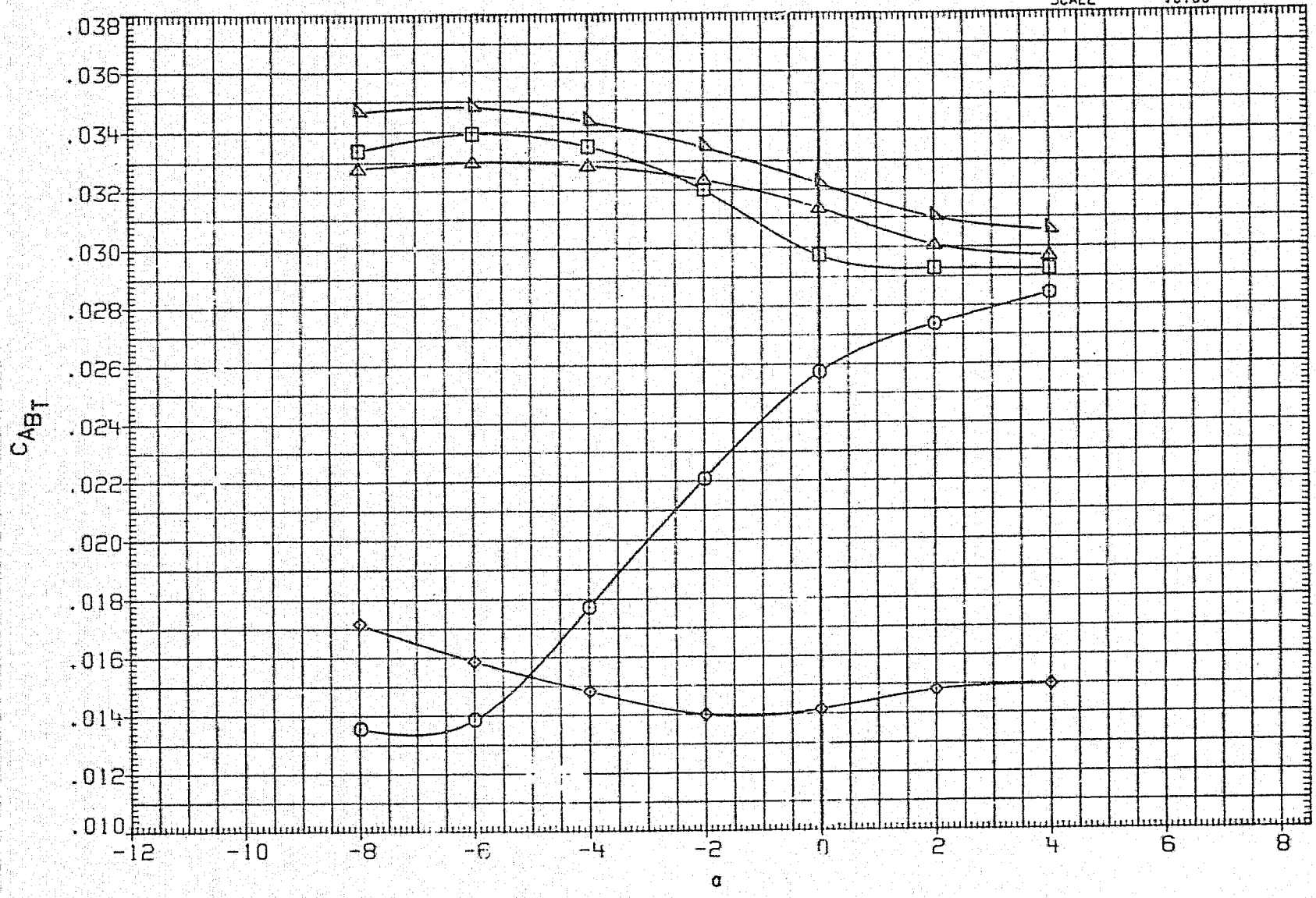


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB10	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	.290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

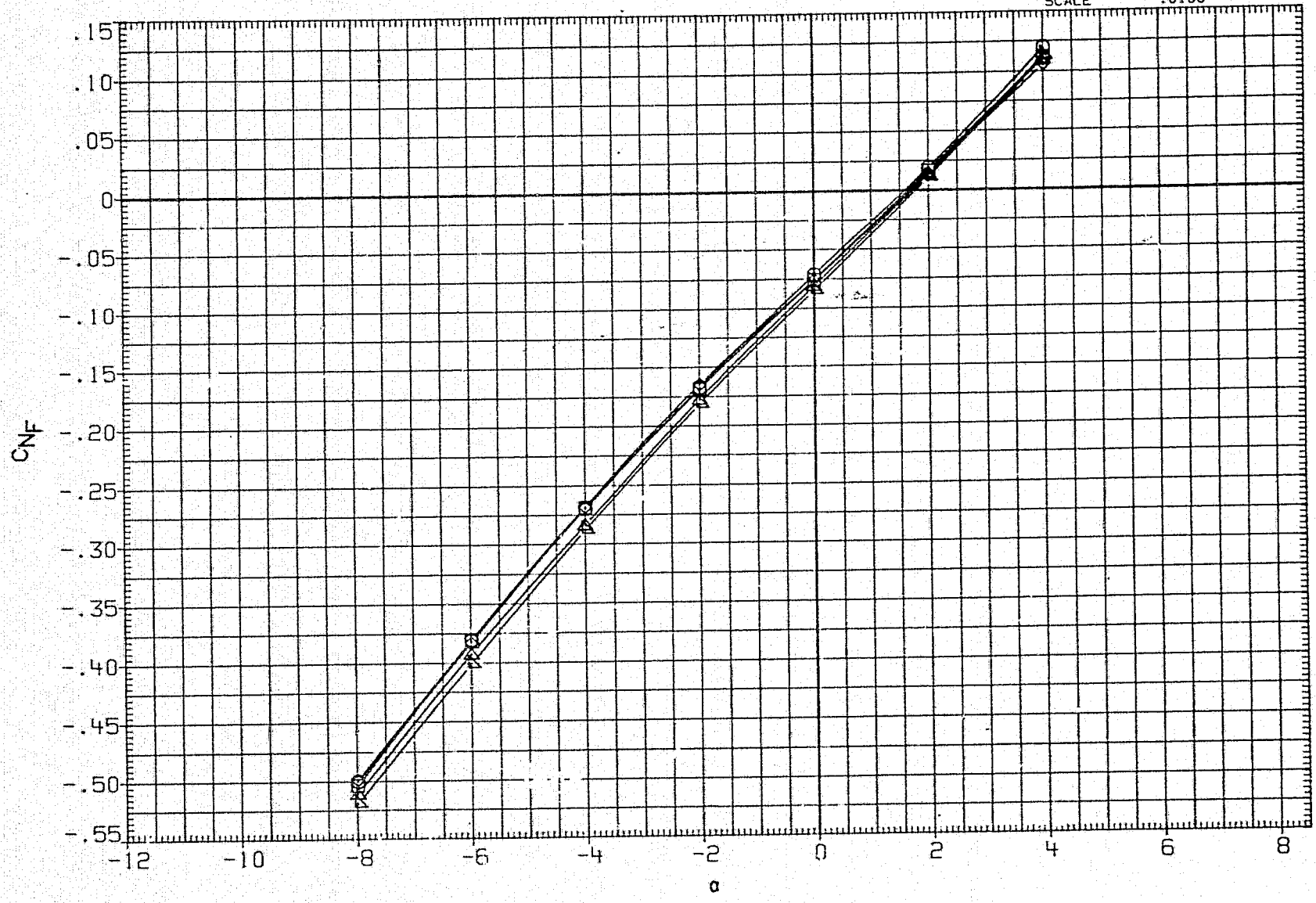


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

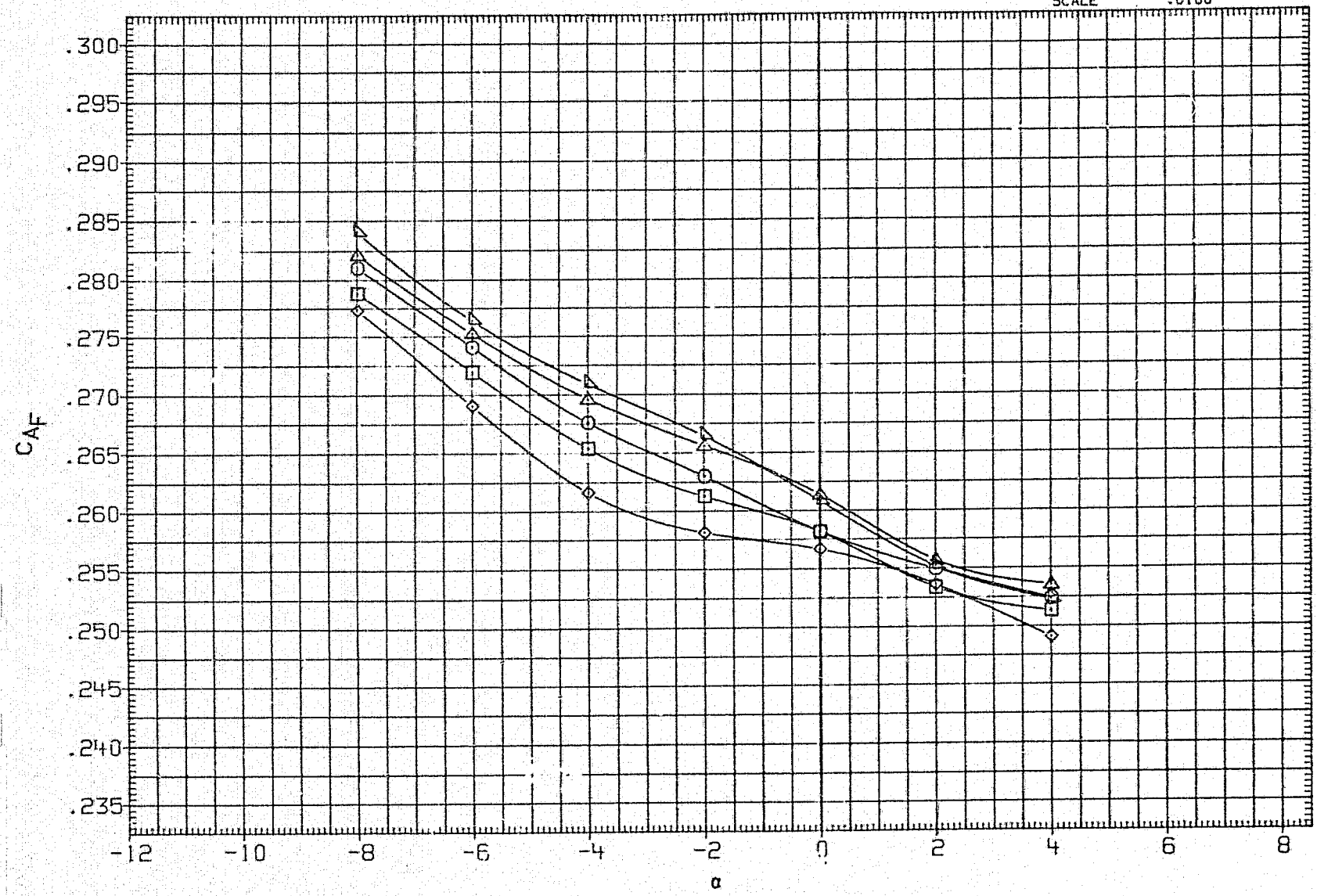


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

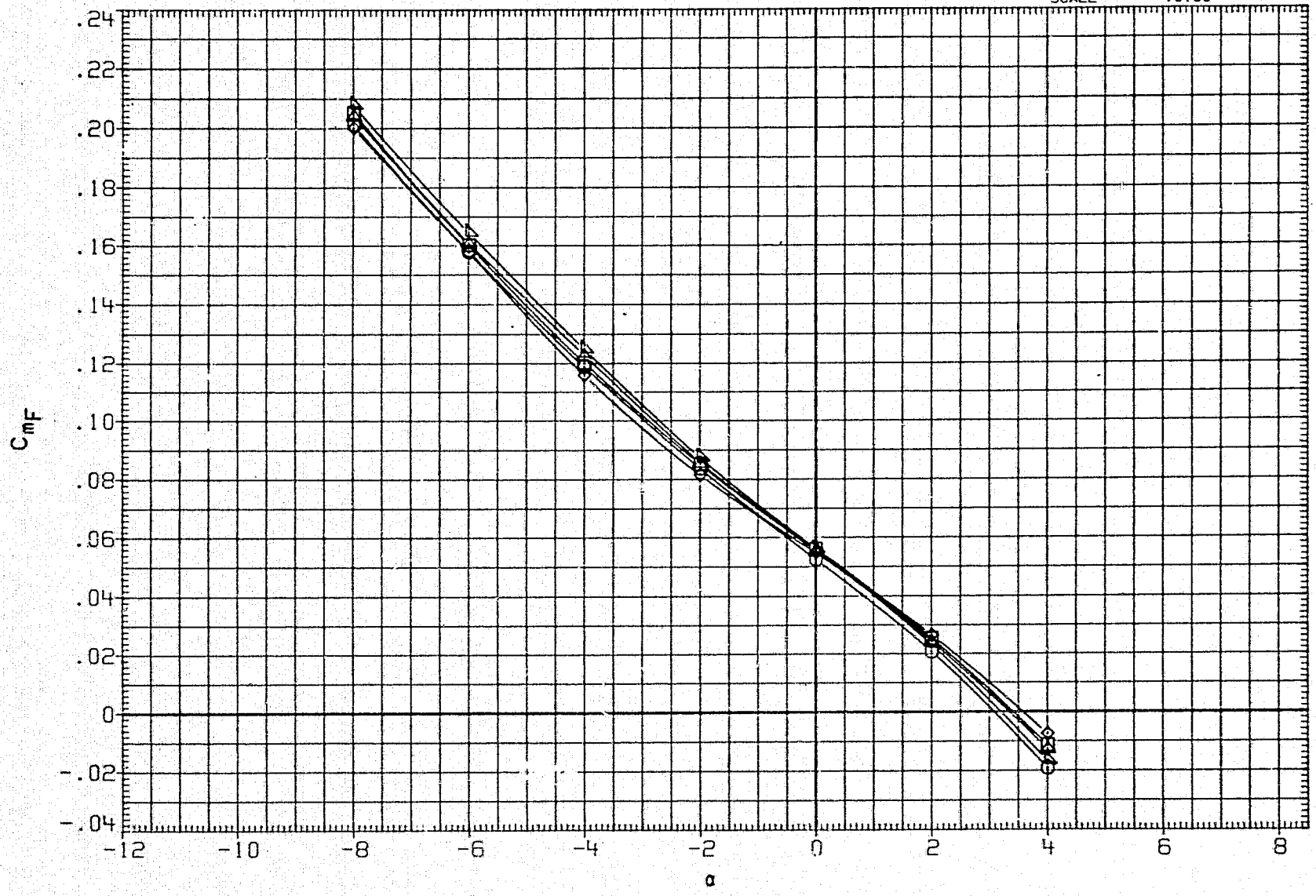


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

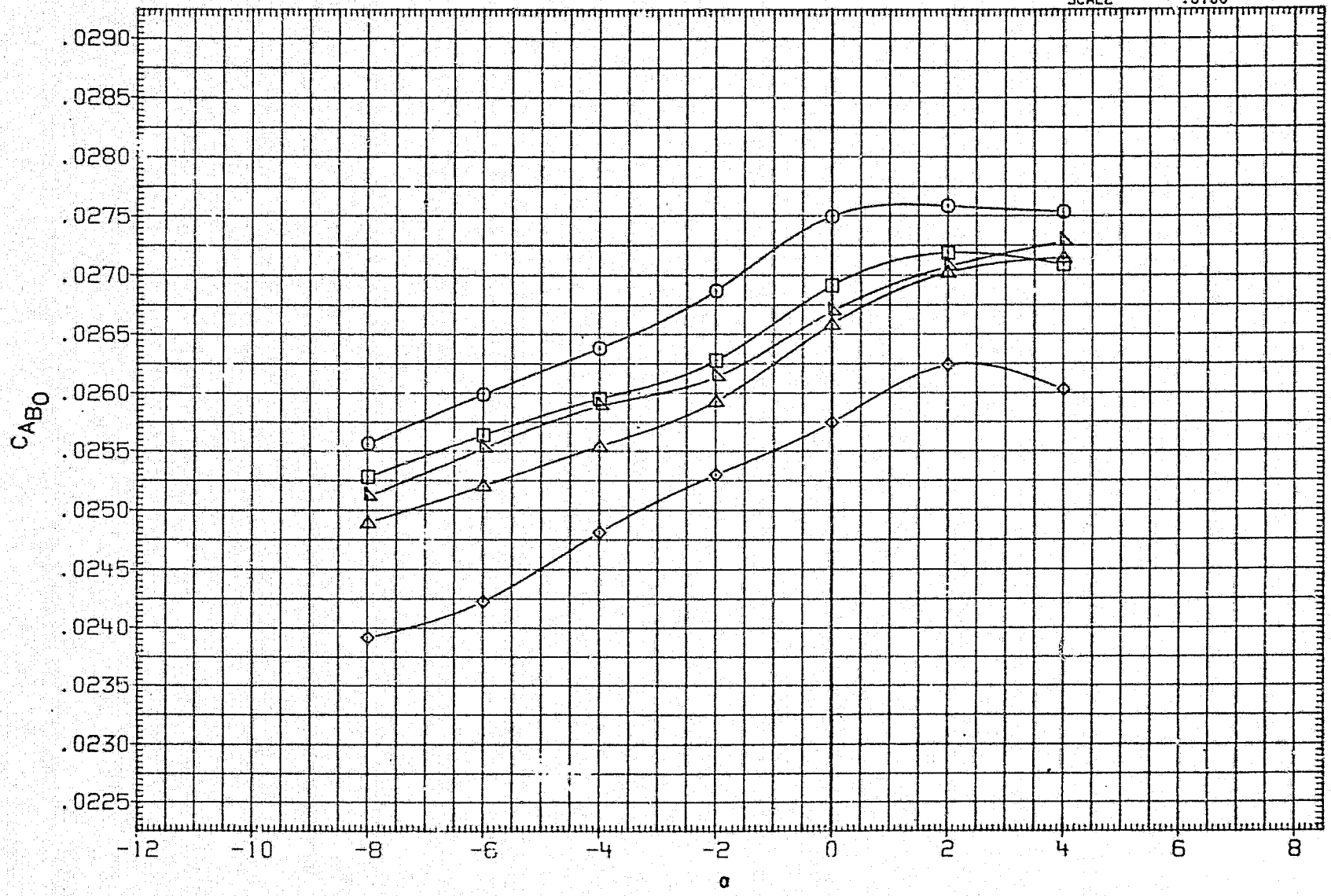


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB10	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

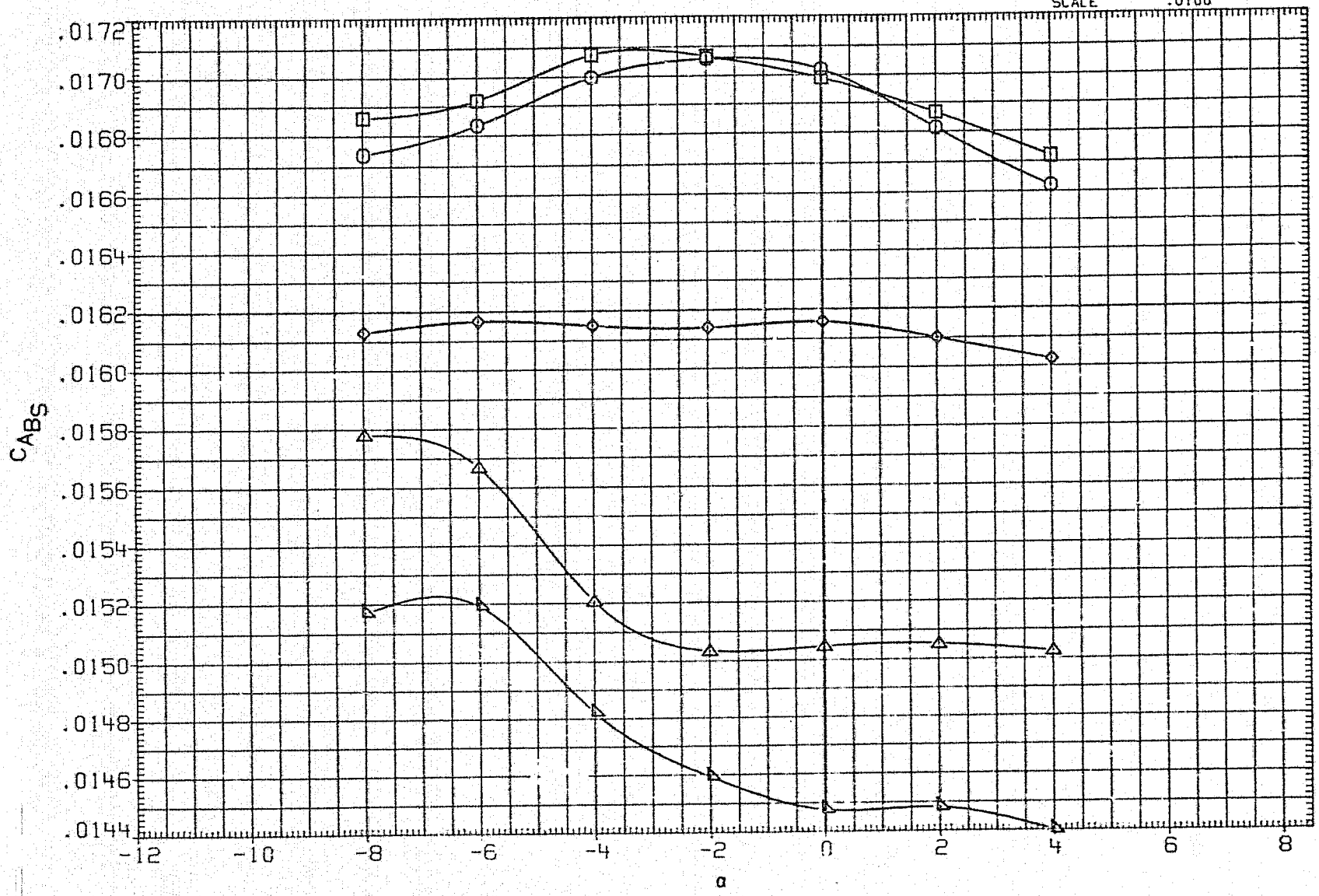


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

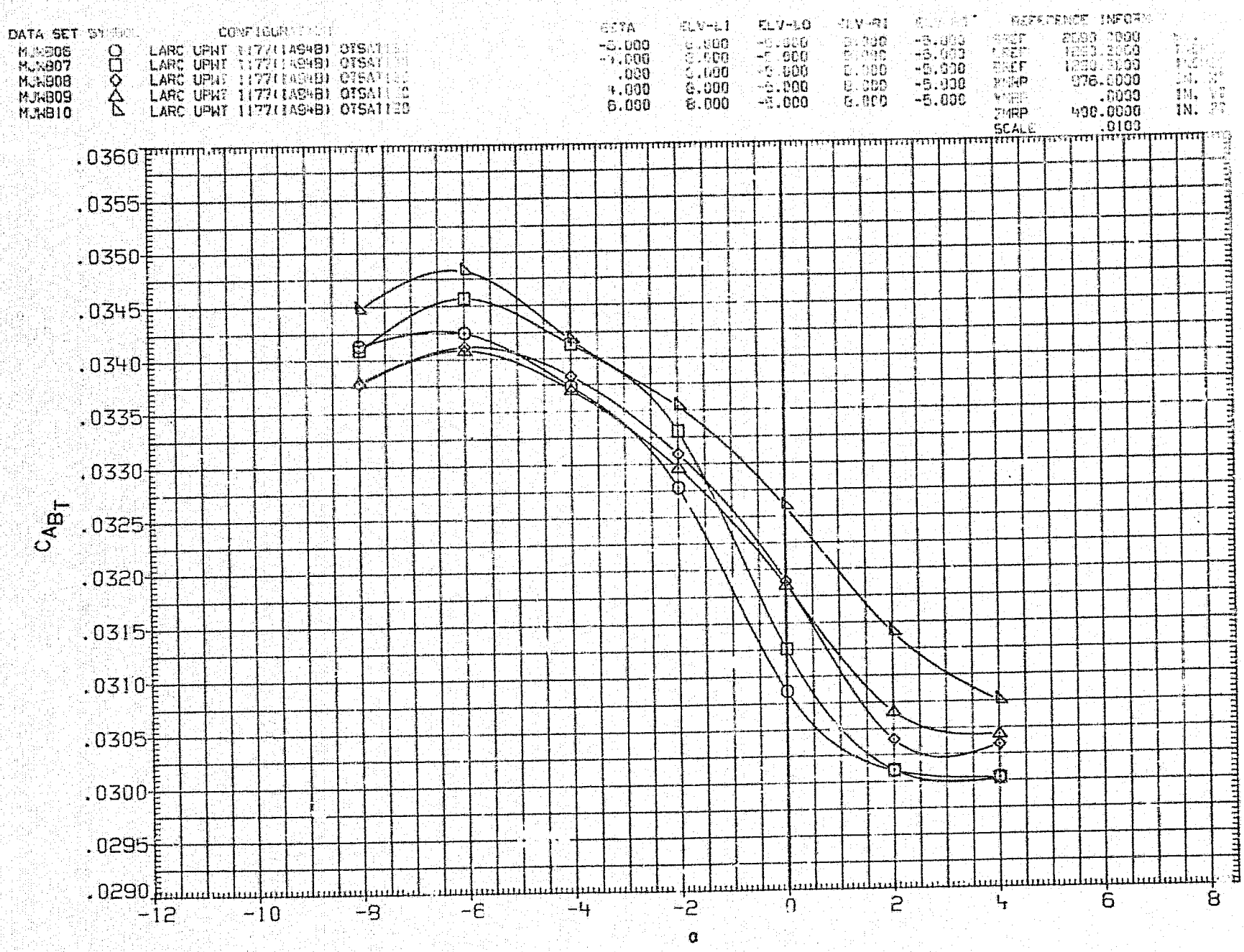


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

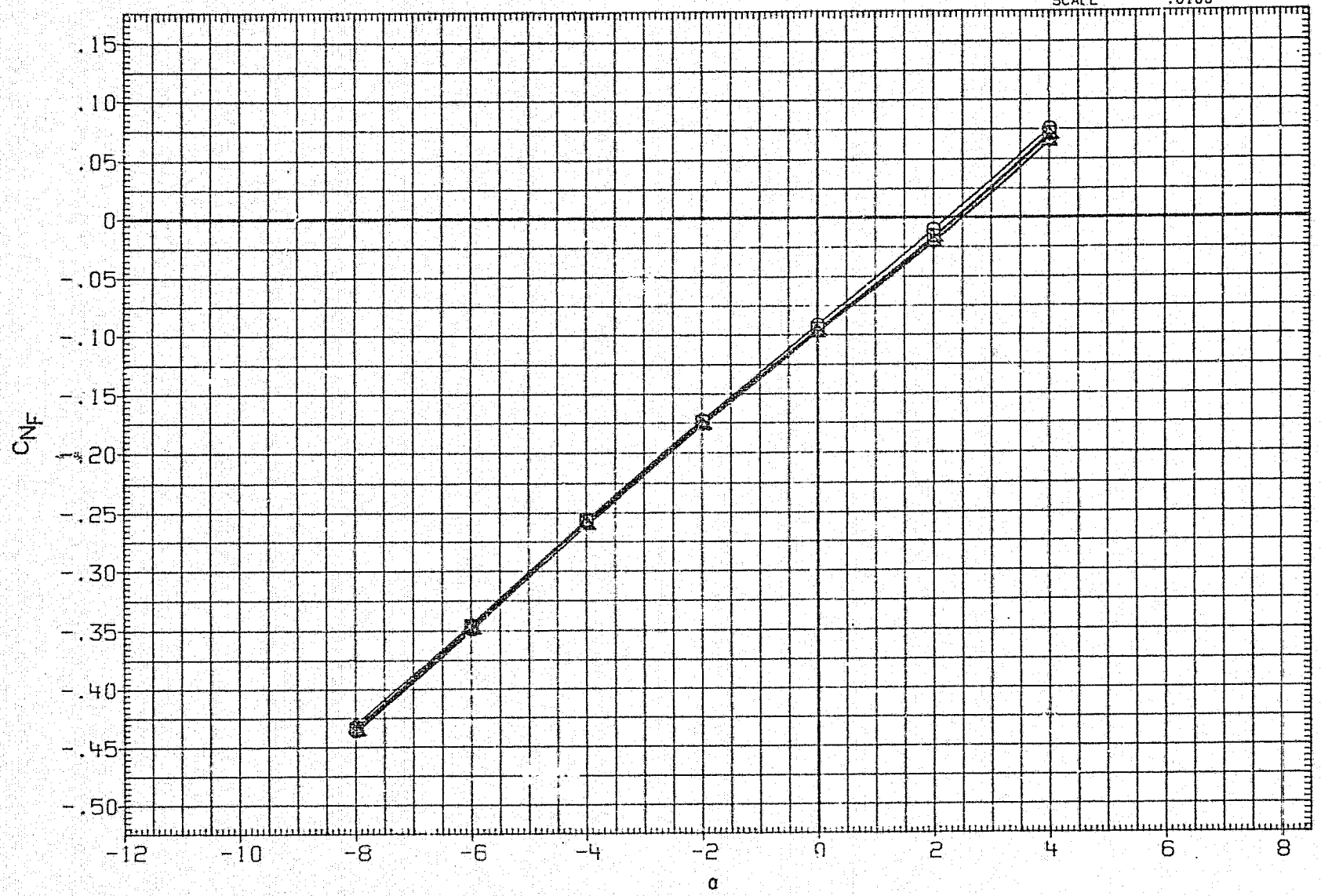


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0
MJWB05	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT120	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.IN.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

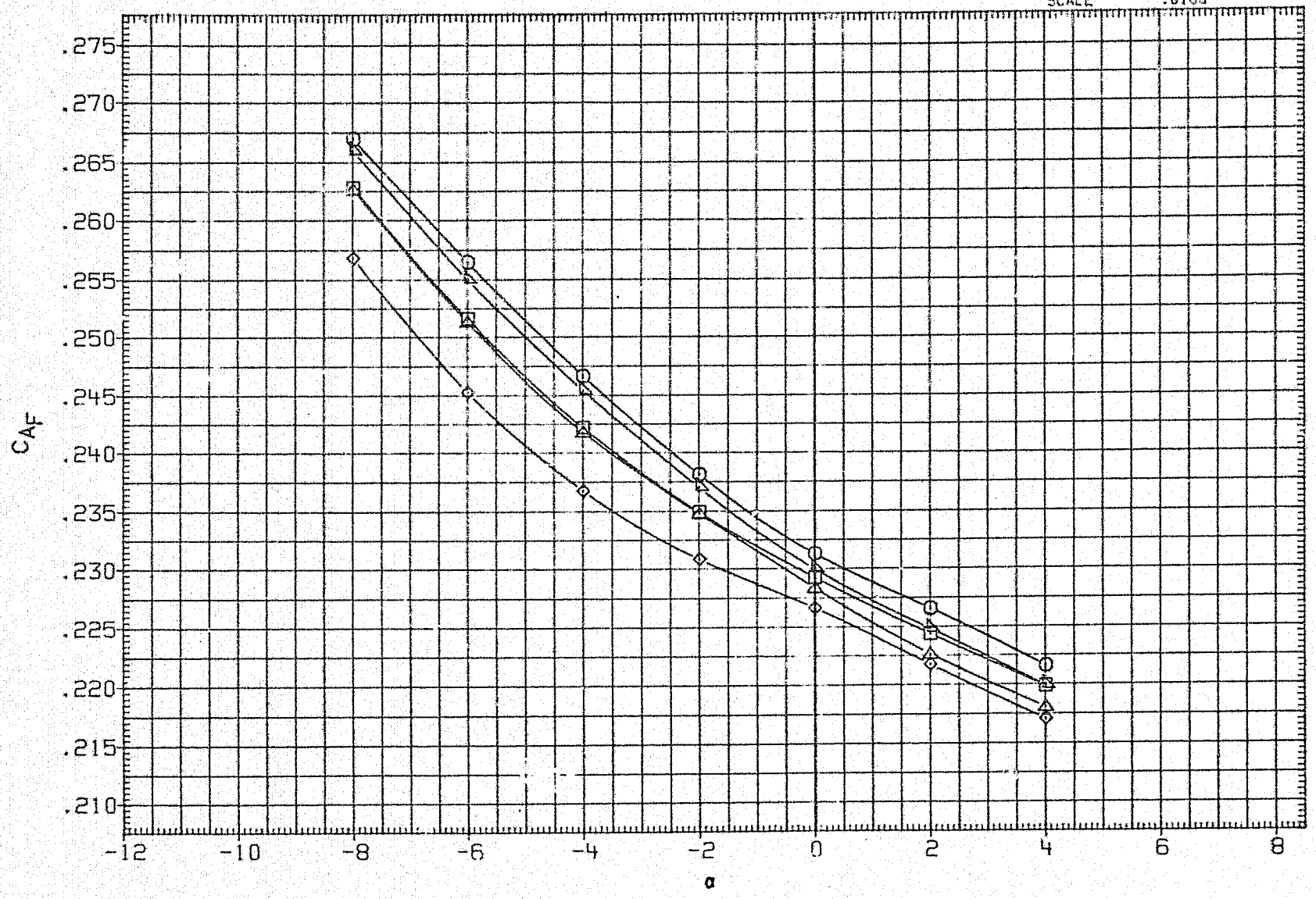


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB10	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

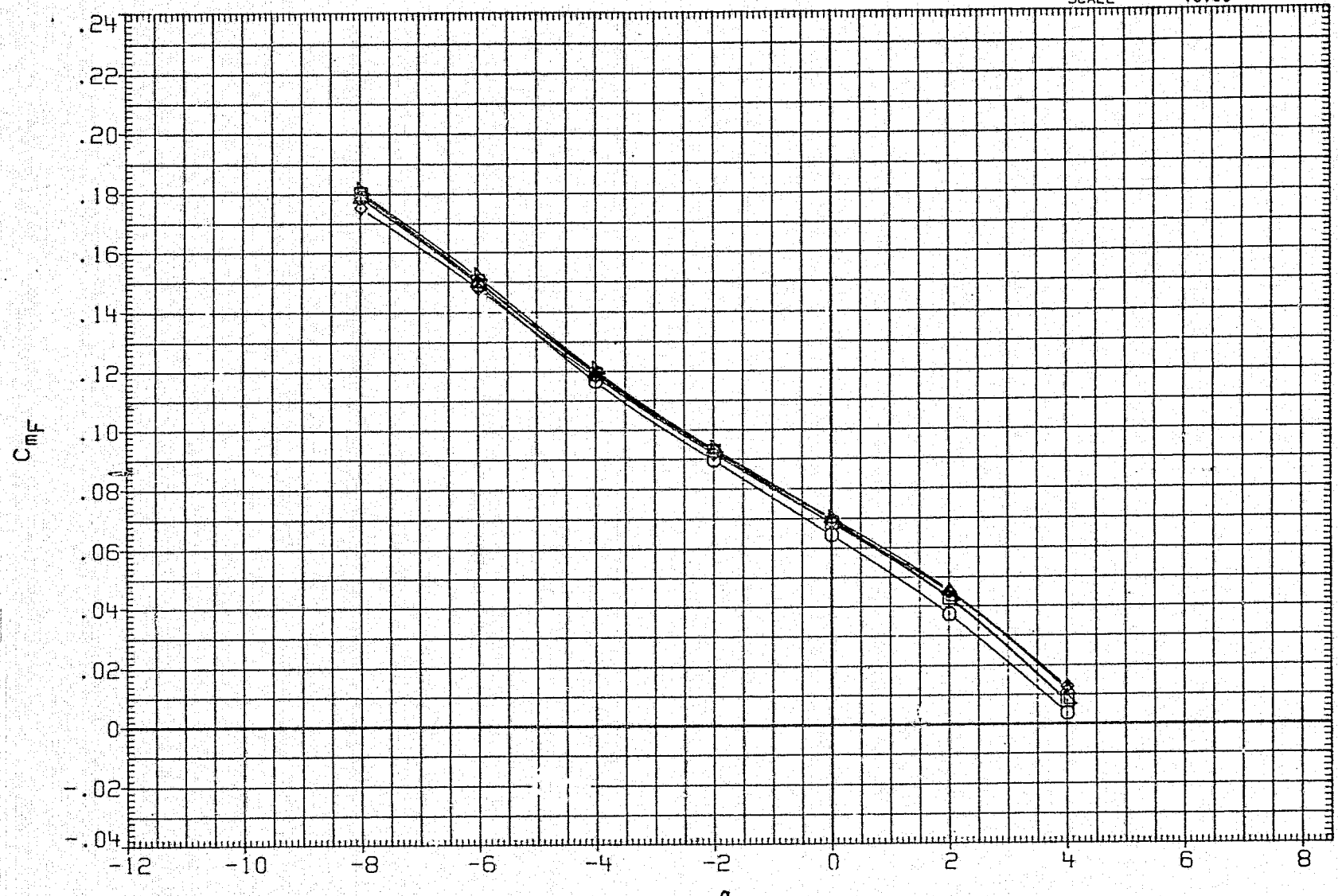


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB10	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1293.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

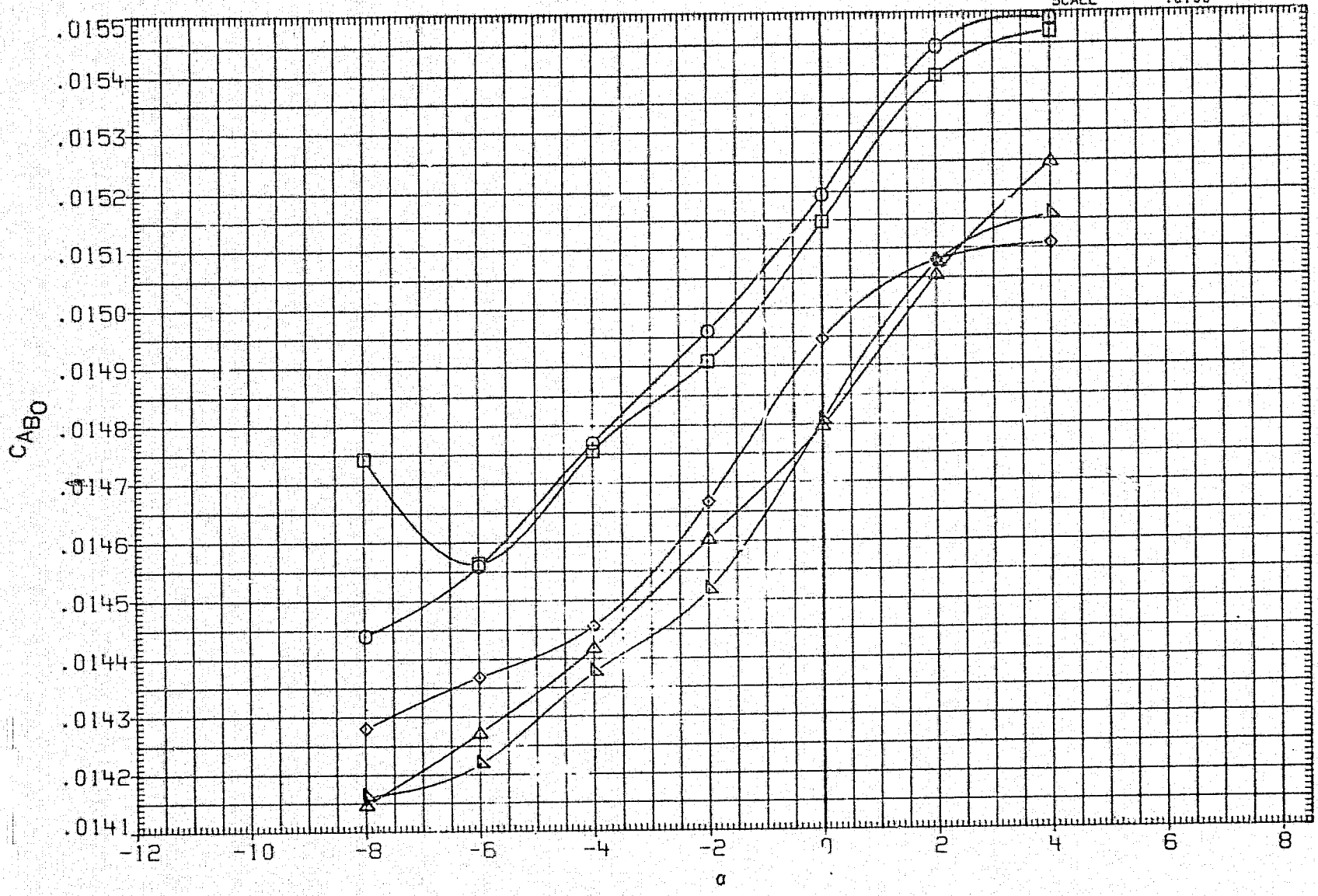


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB10	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

'REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

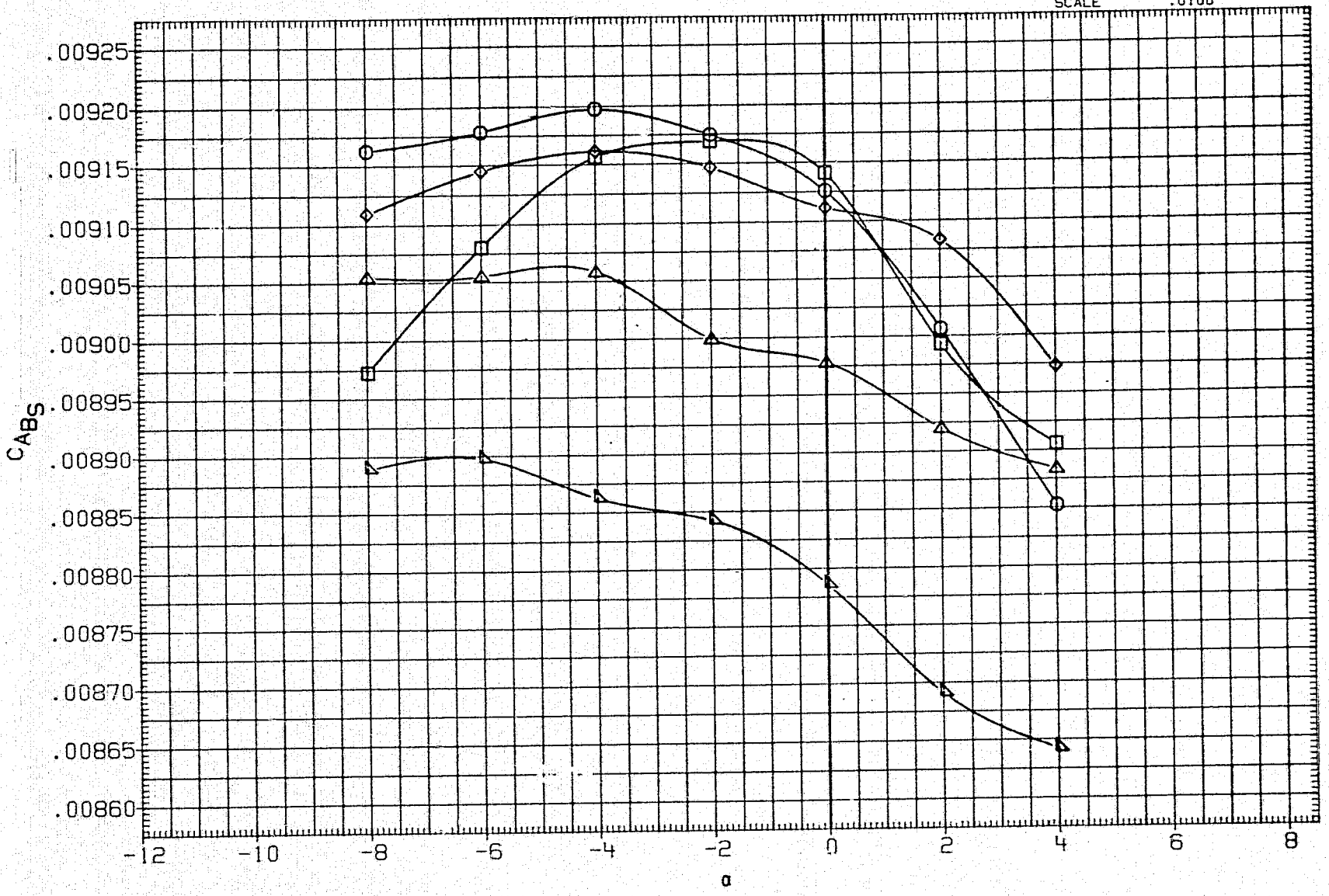


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB10	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

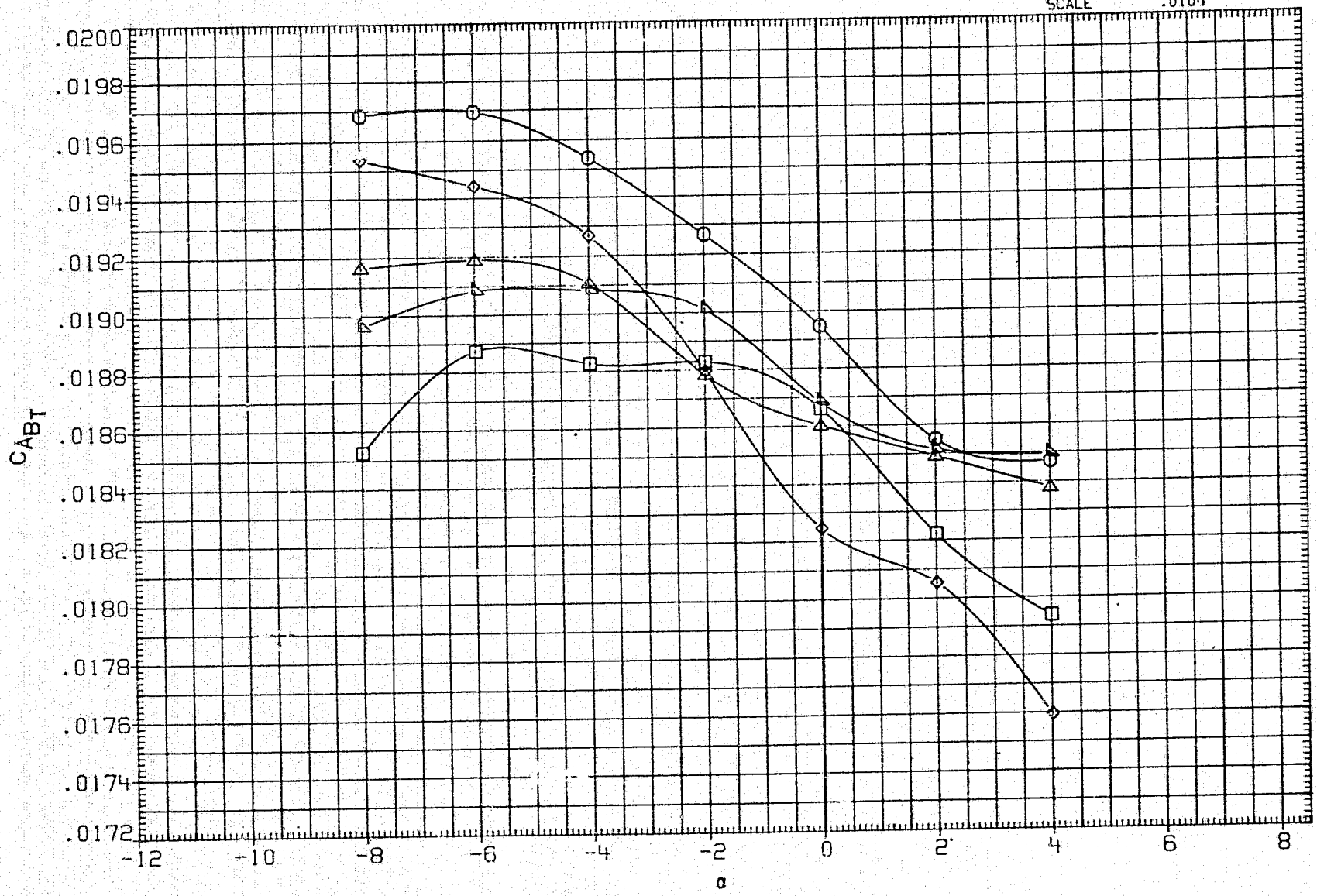


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB10	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

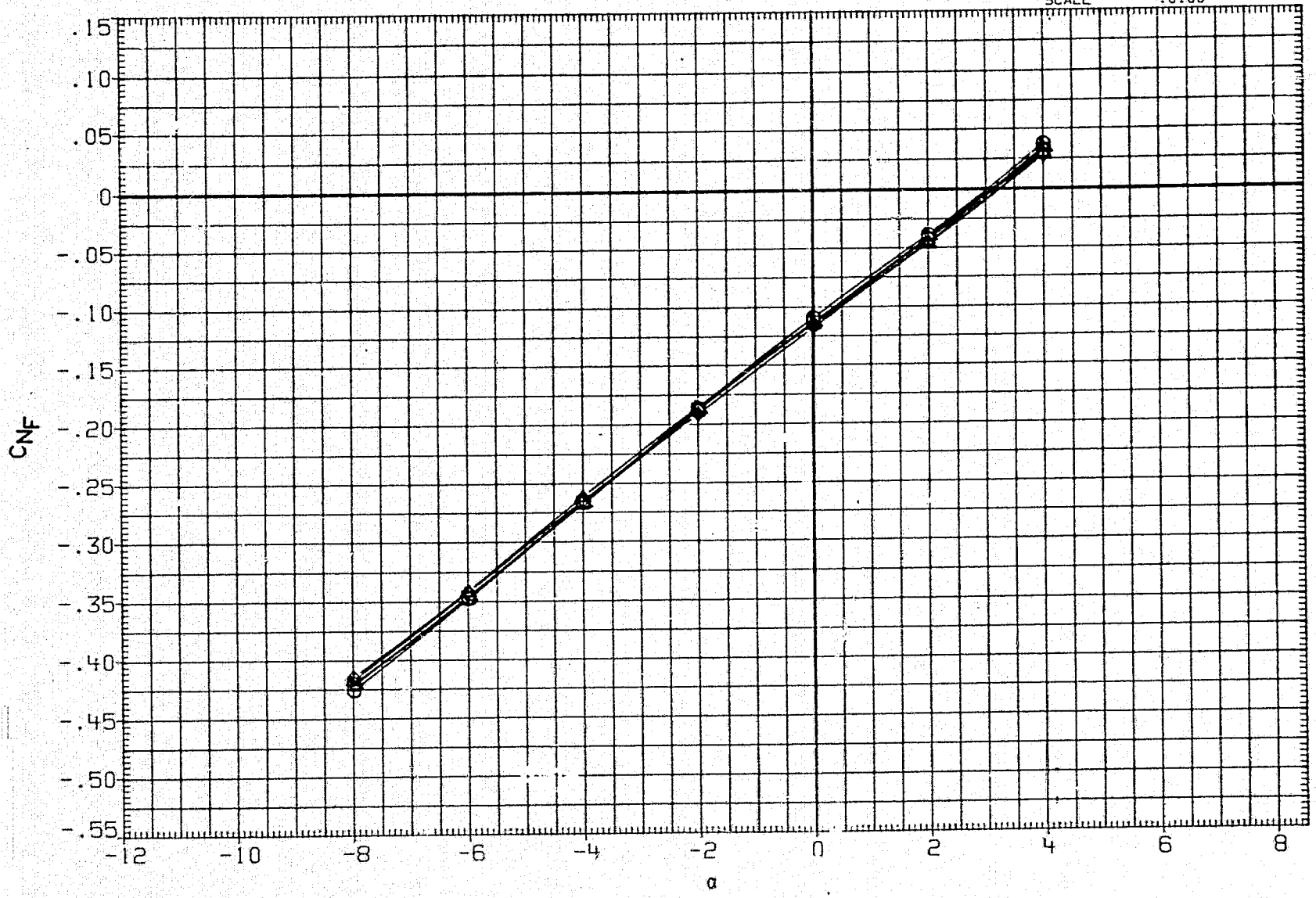


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB10	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

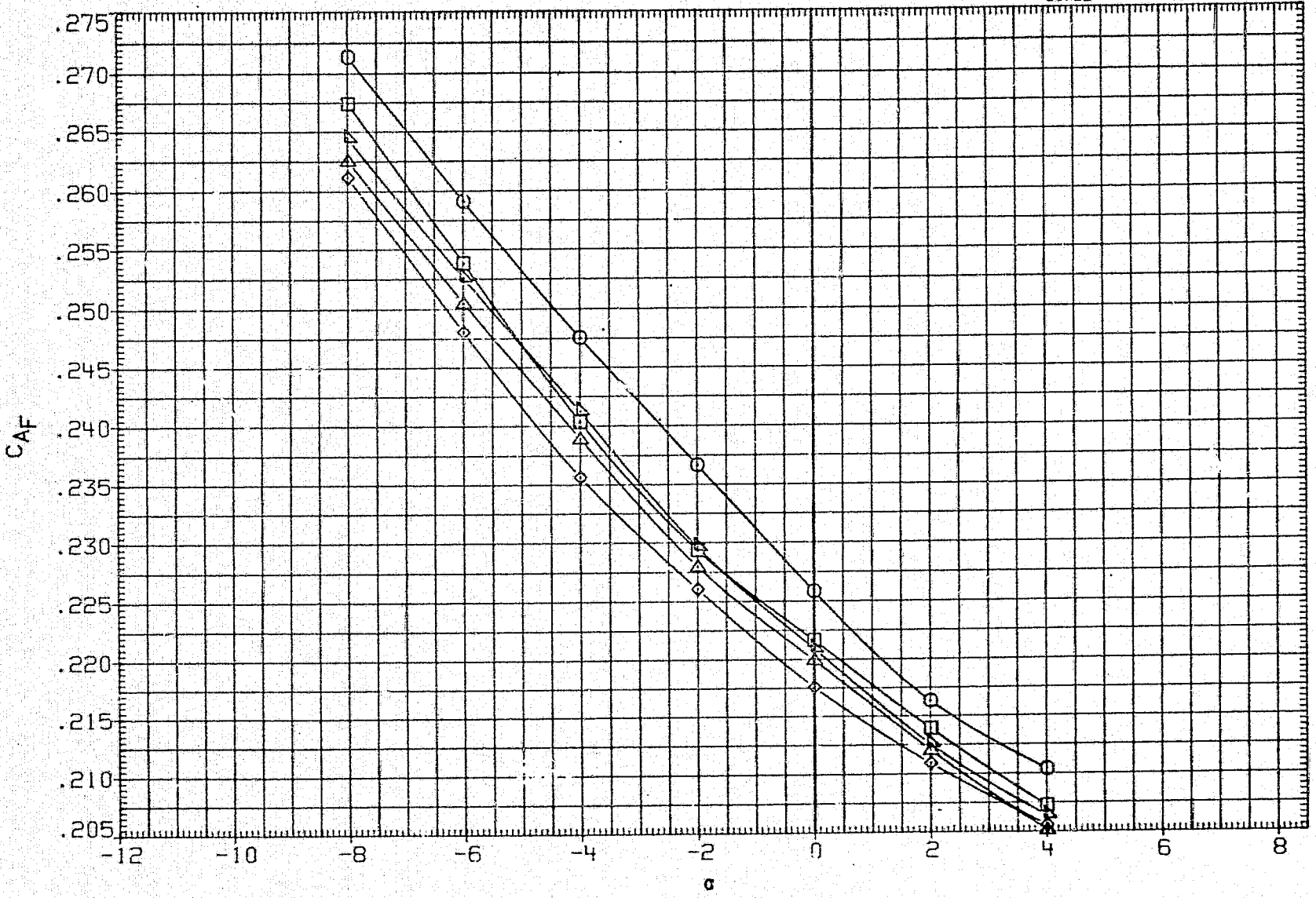


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB10	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

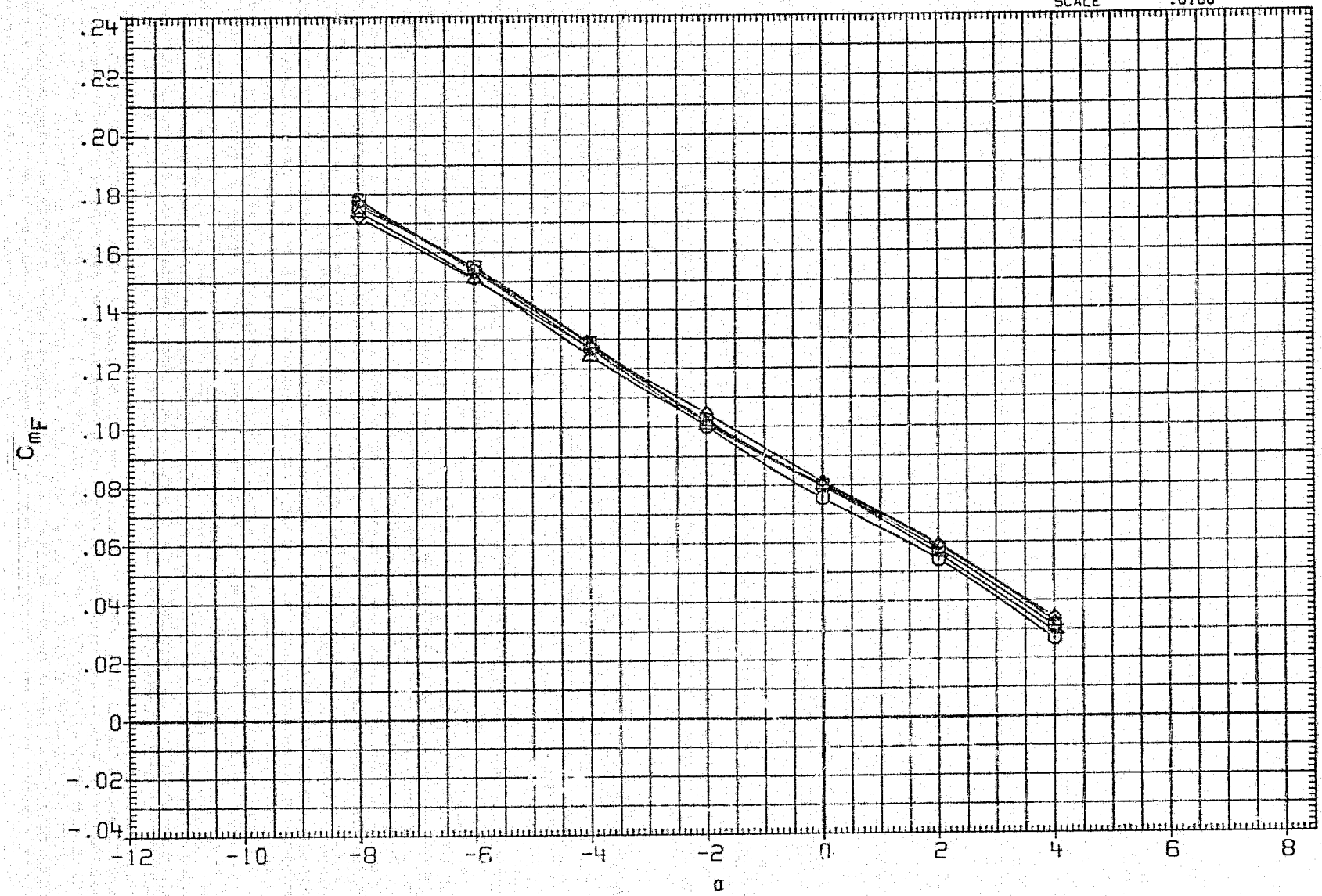


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

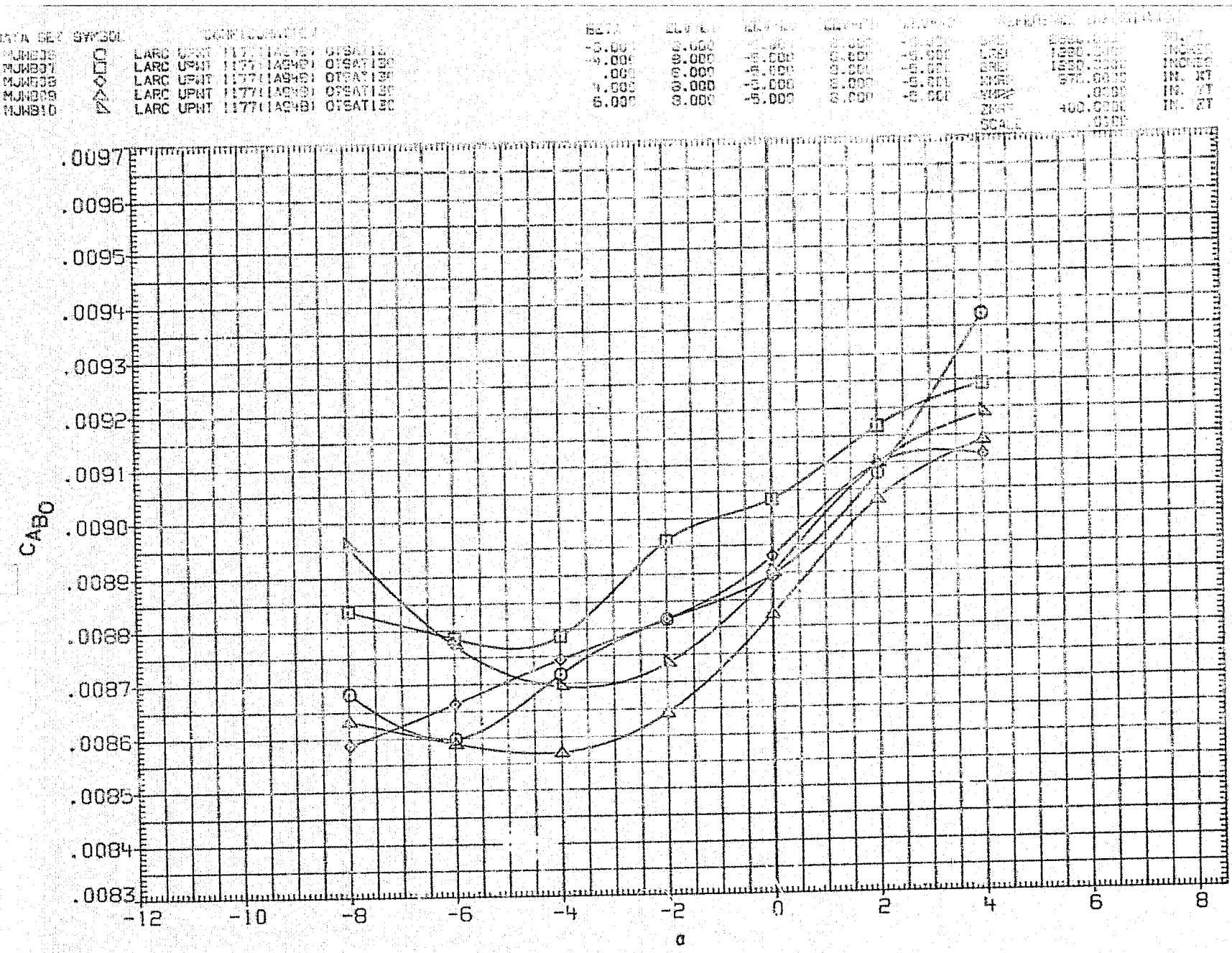


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

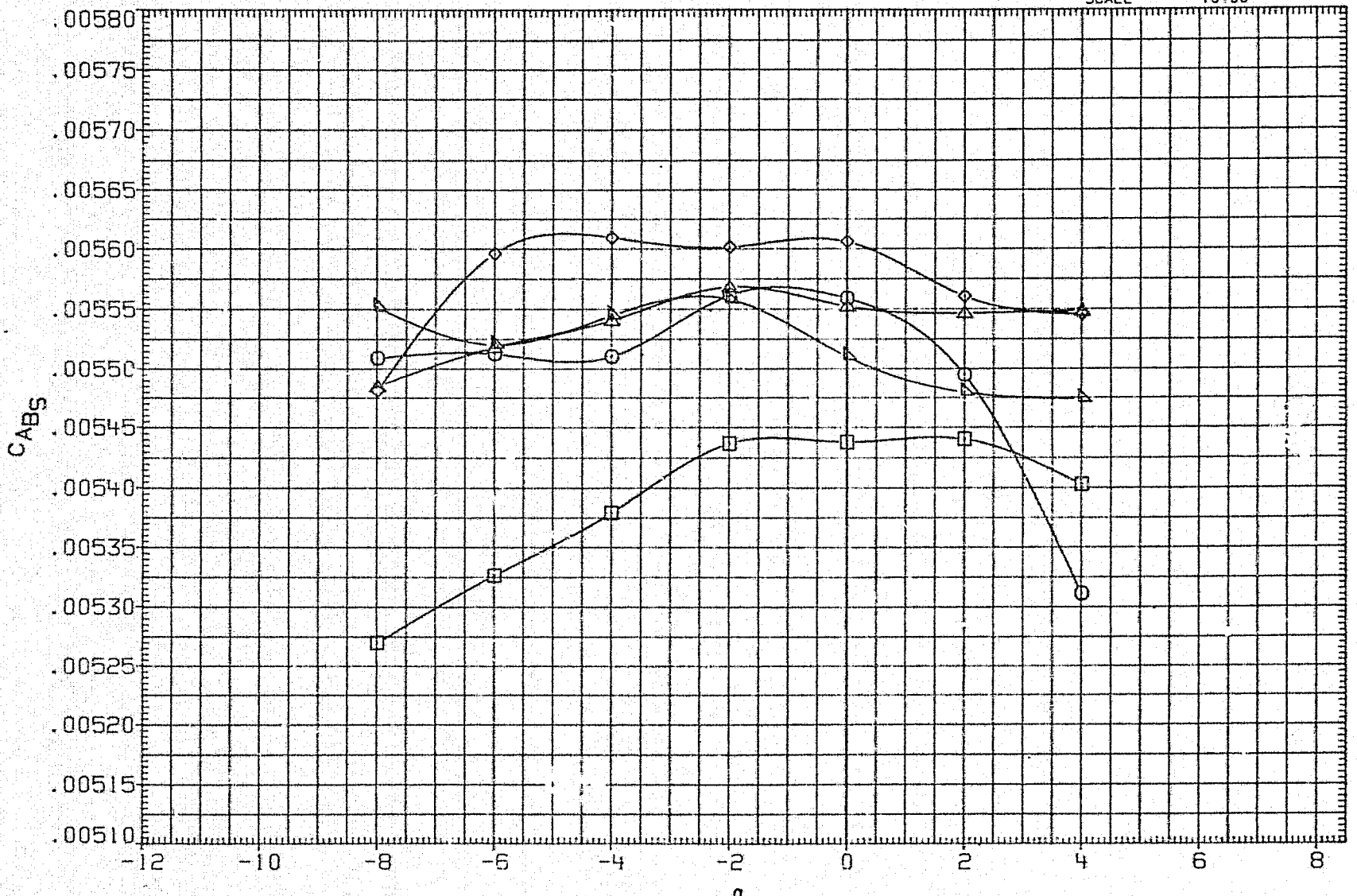


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWBC6	○	LARC UPWT 1177(1A94B) 0?SAT130
MJWBC7	□	LARC UPWT 1177(1A94B) 0?SAT130
MJWBC8	◇	LARC UPWT 1177(1A94B) 0?SAT130
MJWBC9	△	LARC UPWT 1177(1A94B) 0?SAT130
MJWBC10	◁	LARC UPWT 1177(1A94B) 0?SAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-SD
-6.000	0.000	-5.000	0.000	-5.000
-4.000	0.000	-5.000	0.000	-5.000
.000	0.000	-5.000	0.000	-5.000
4.000	0.000	-5.000	0.000	-5.000
6.000	0.000	-5.000	0.000	-5.000

REFERENCE INFORMATION		
SREF	2650.0000	SQ.FT.
LREF	1690.3000	INCHES
BREF	1690.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	420.0000	IN. ZT
SCALE	.0100	

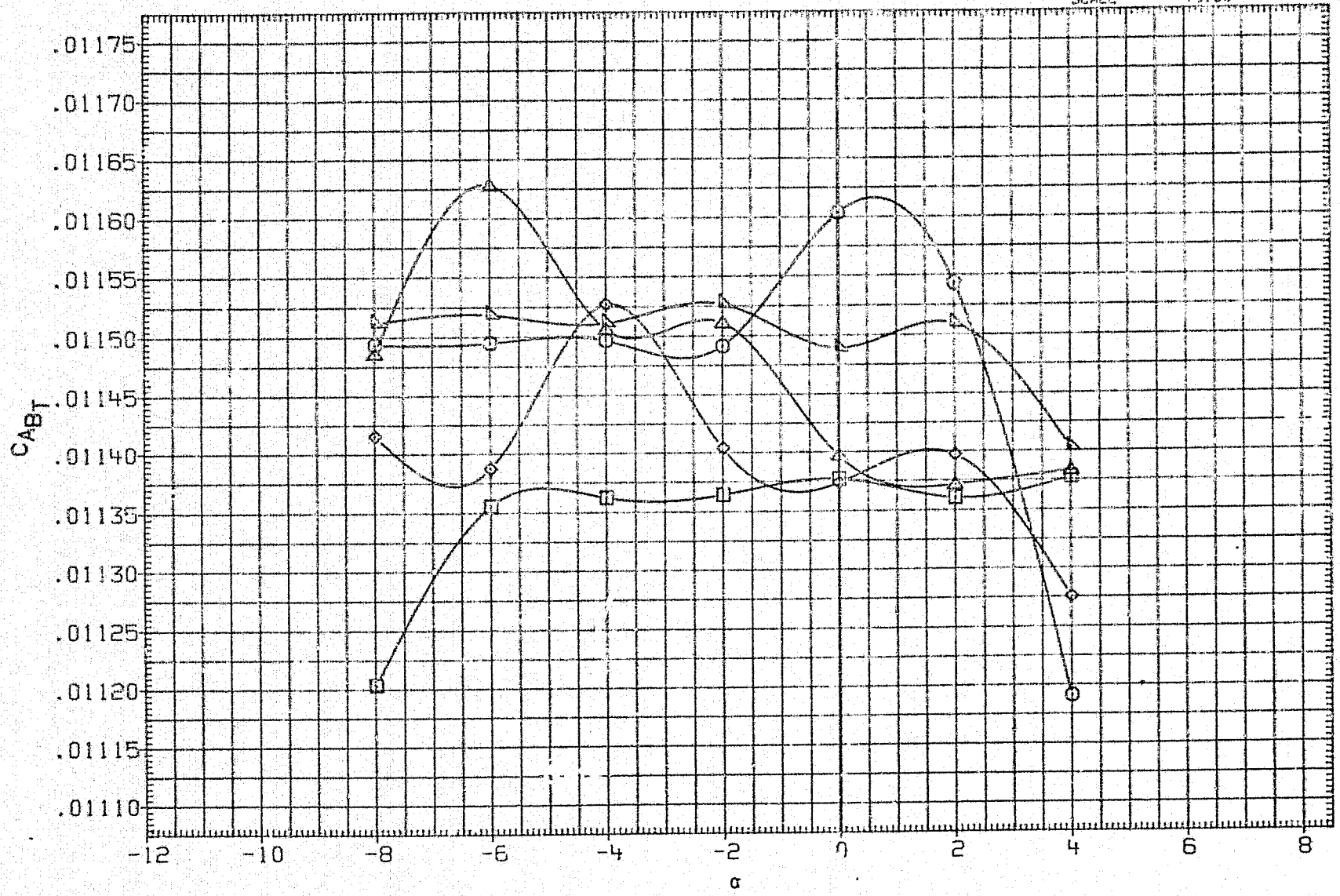


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

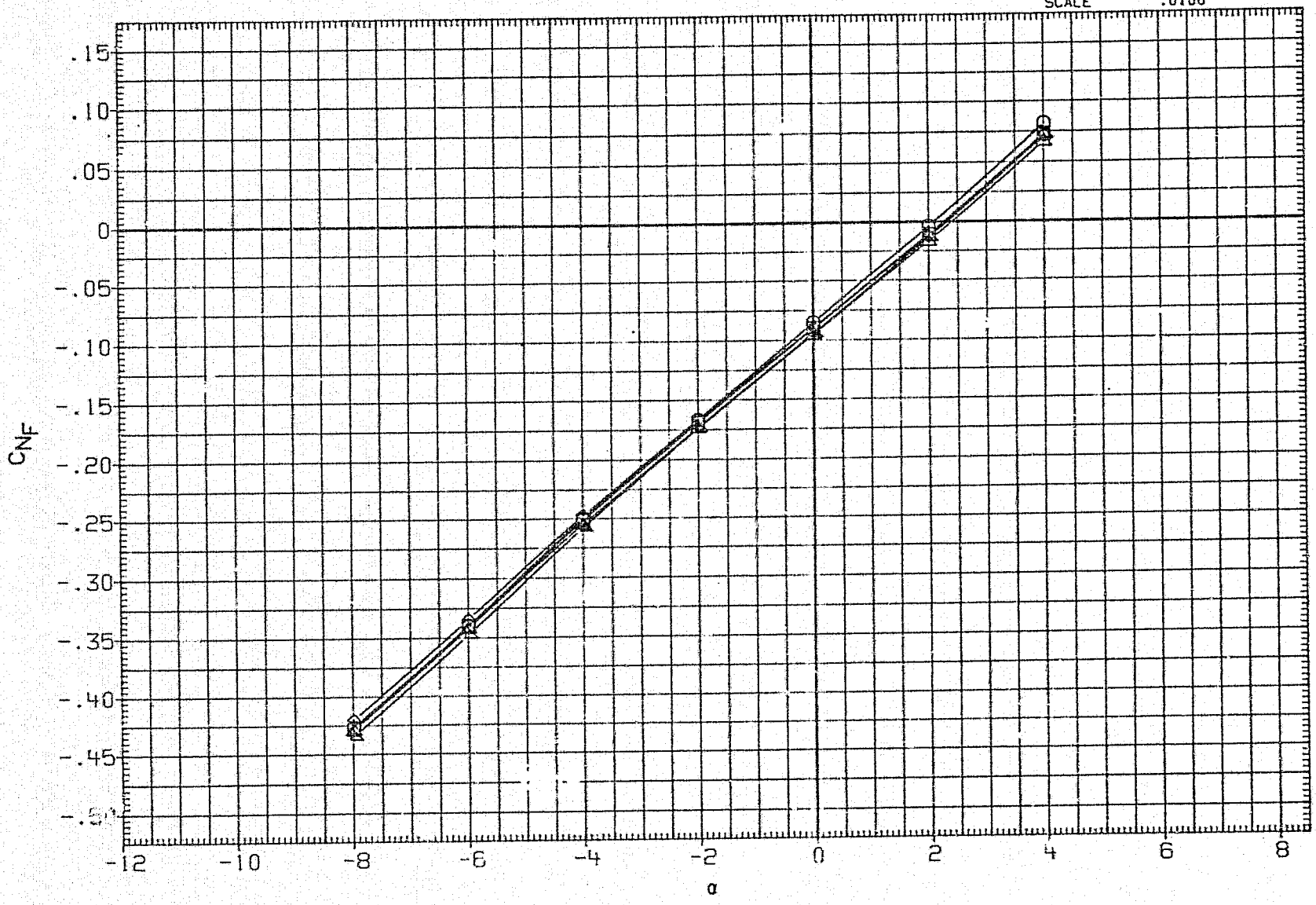


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MUWB11	○	LARC UPWT 1177(1A948) OTSAT130
MUWB12	□	LARC UPWT 1177(1A948) OTSAT130
MUWB13	◇	LARC UPWT 1177(1A948) OTSAT130
MUWB14	△	LARC UPWT 1177(1A948) OTSAT130
MUWB15		LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-AI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	8.000	8.000	8.000
-4.000	8.000	8.000	8.000	8.000
.000	8.000	8.000	8.000	8.000
4.000	8.000	8.000	8.000	8.000
6.000	8.000	8.000	8.000	8.000

REFERENCE INFORMATION		
SREF	6880.	SQ. IN.
LREF	1293.7500	IN.
BREF	1693.1800	IN.
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YMRP	.0000	IN. YT
ZMRP	405.0500	IN. ZT
SCALE	.5100	

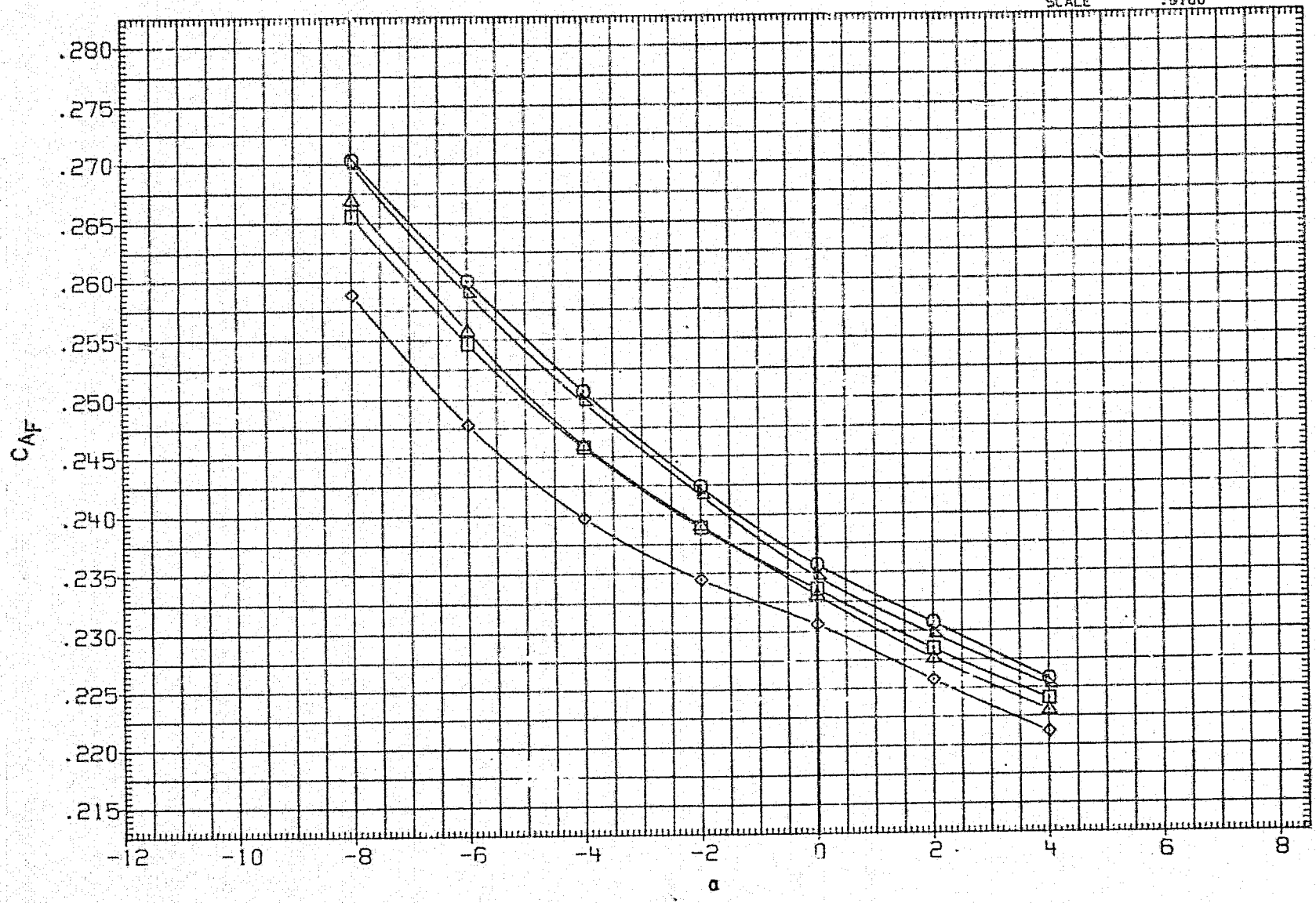


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

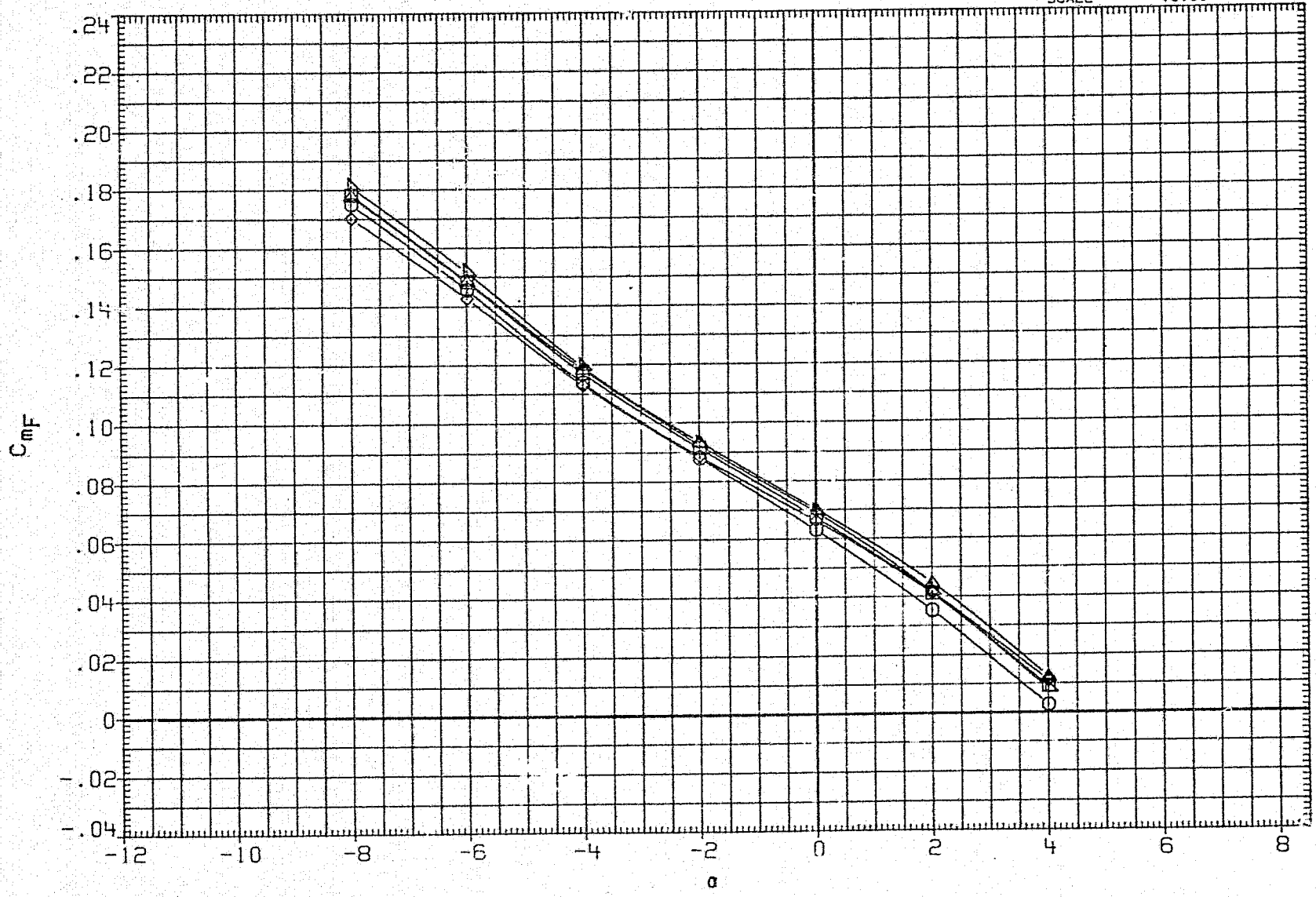


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB12	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB14	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB15	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

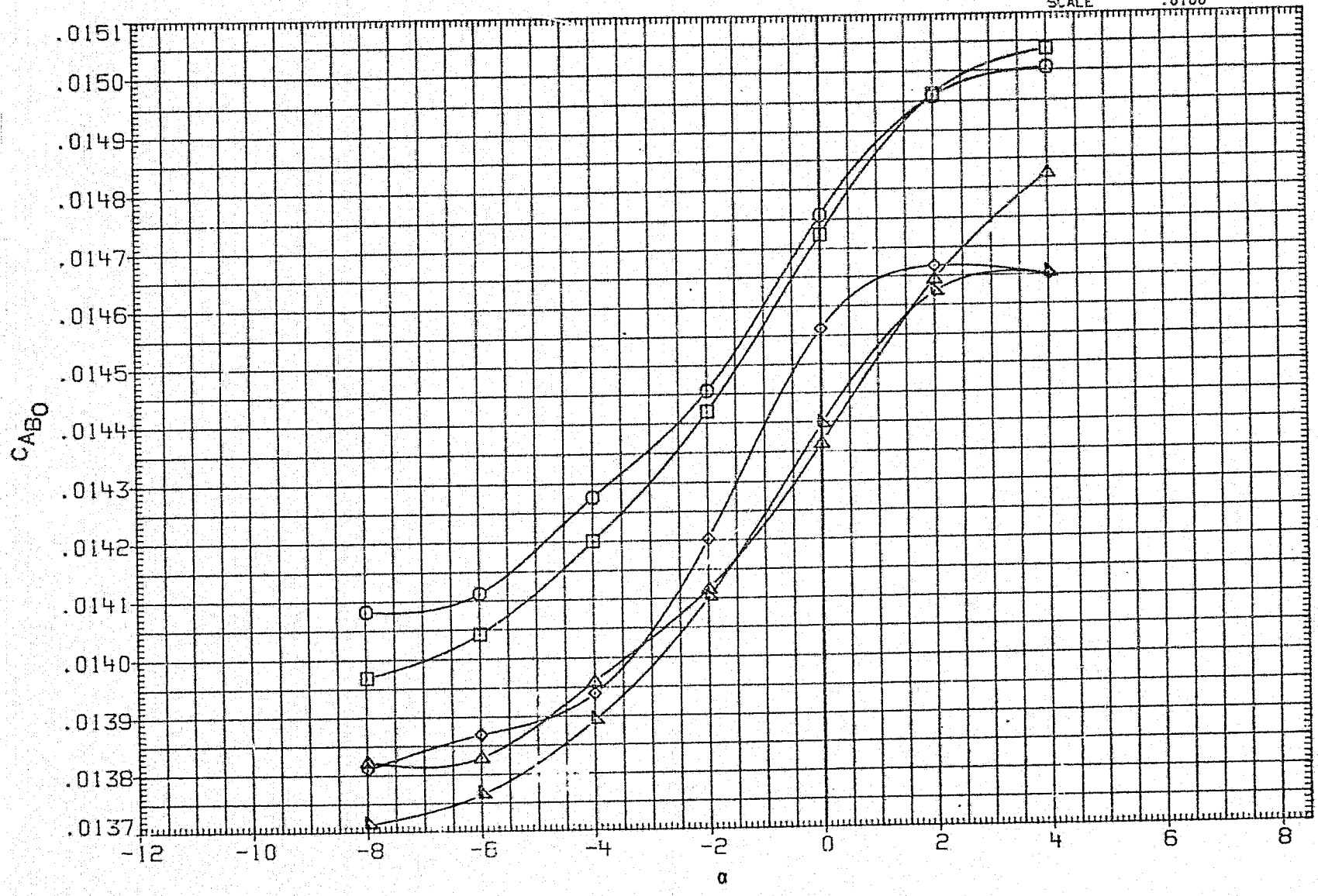


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWB15	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

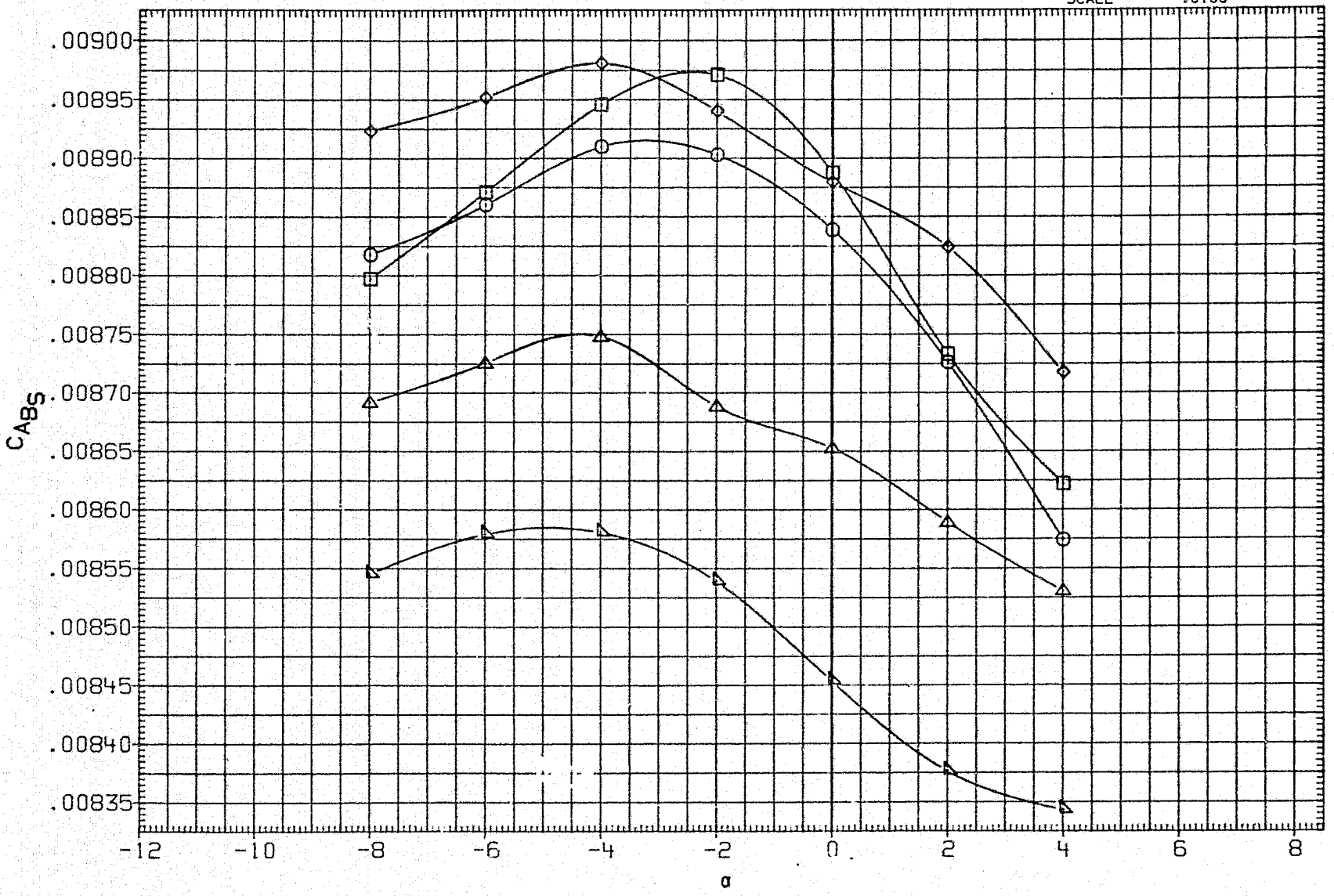


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

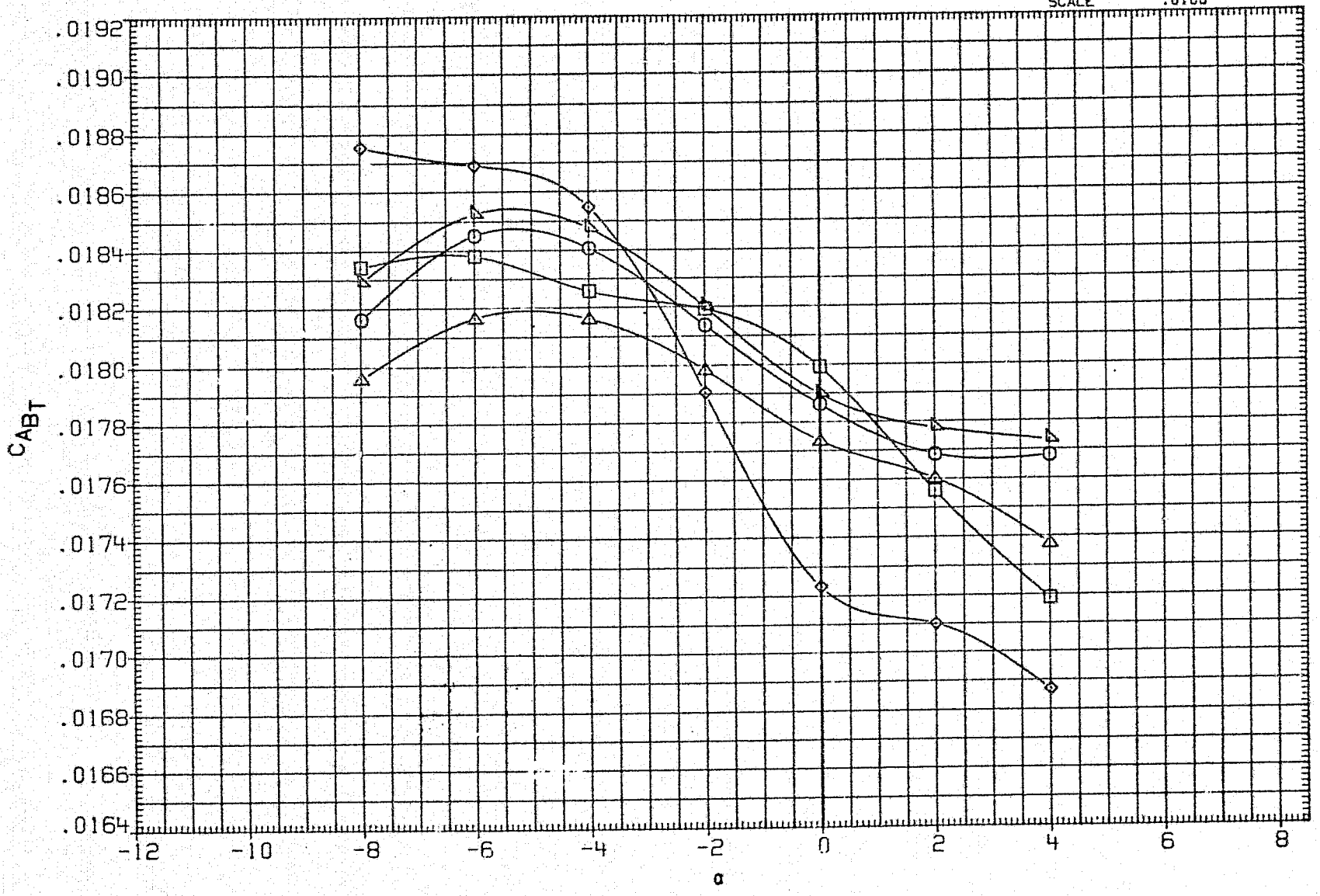


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB12	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB14	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB15	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

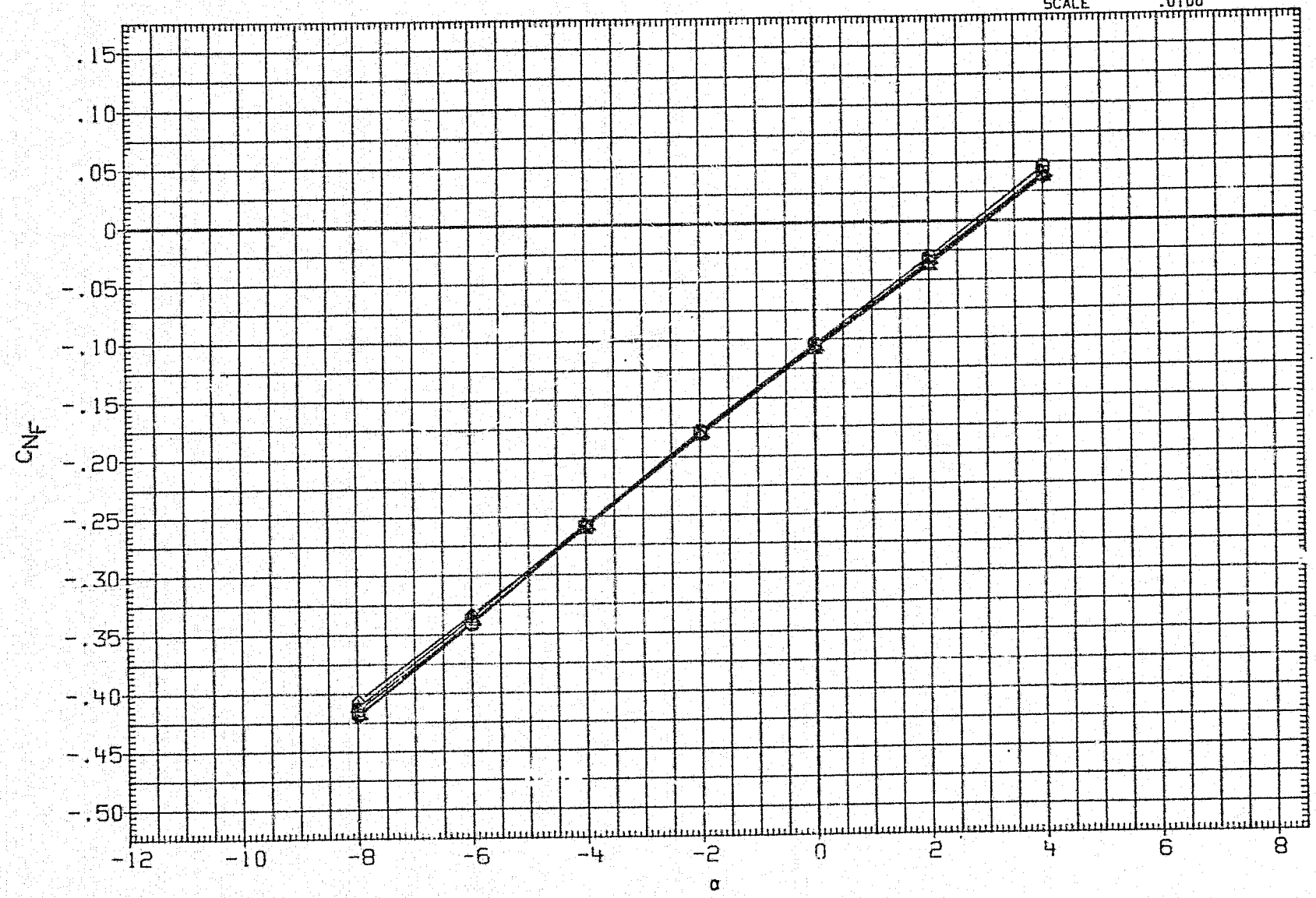


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
[illegible]311	○	LARC UPWT 1177(1A94B) OTSAT130
[illegible]312	□	LARC UPWT 1177(1A94B) OTSAT130
[illegible]313	◇	LARC UPWT 1177(1A94B) OTSAT130
RUNB14	△	LARC UPWT 1177(1A94B) OTSAT130
RUNB15	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0
-8.000	8.000	8.000	8.000	8.000
-4.000	8.000	8.000	8.000	8.000
.000	8.000	8.000	8.000	8.000
4.000	8.000	8.000	8.000	8.000
8.000	8.000	8.000	8.000	8.000

REFERENCE INFORMATION		
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LREF	1690.2000	INCHES
BREF	1290.7900	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

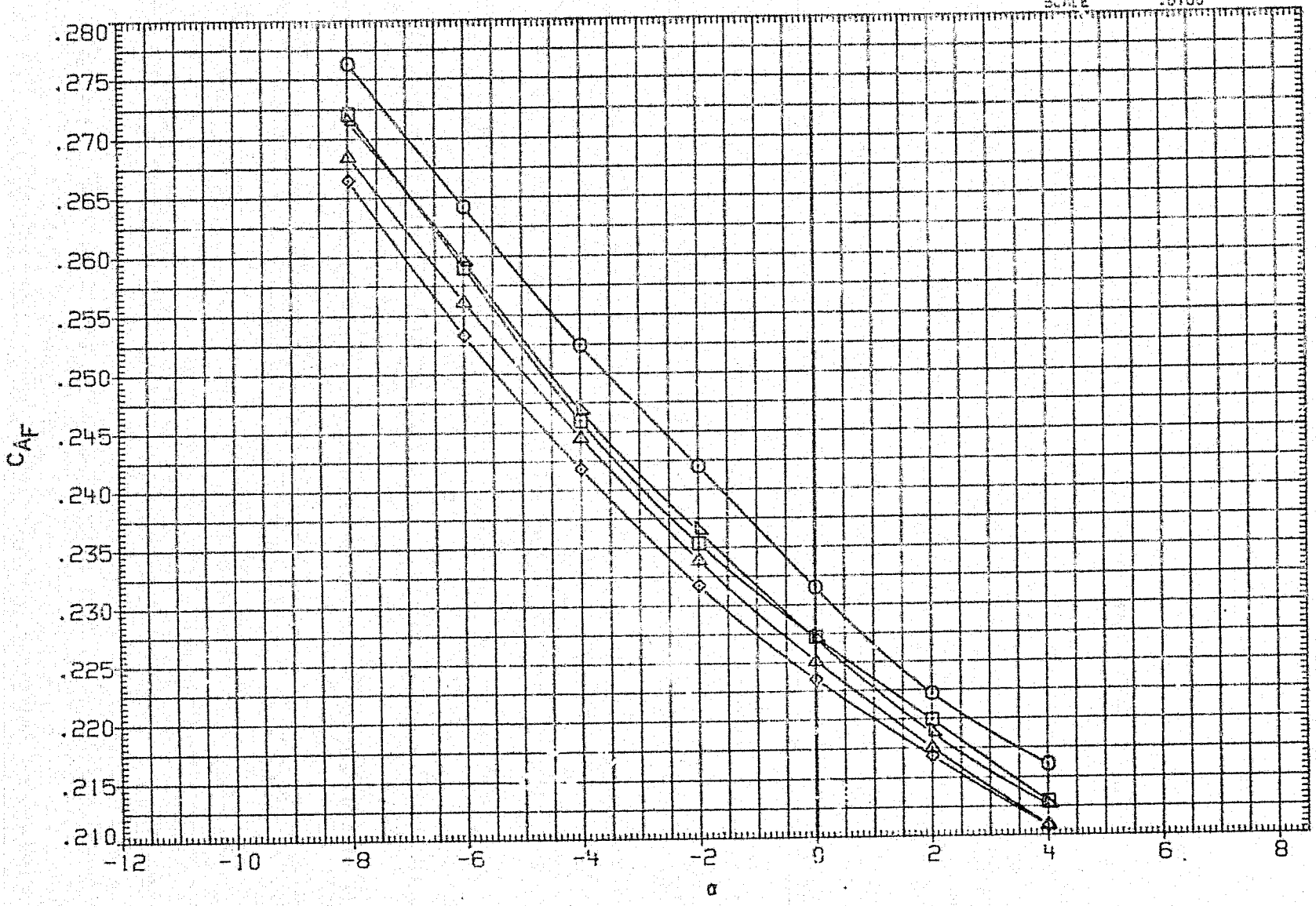


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB12	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB14	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB15	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

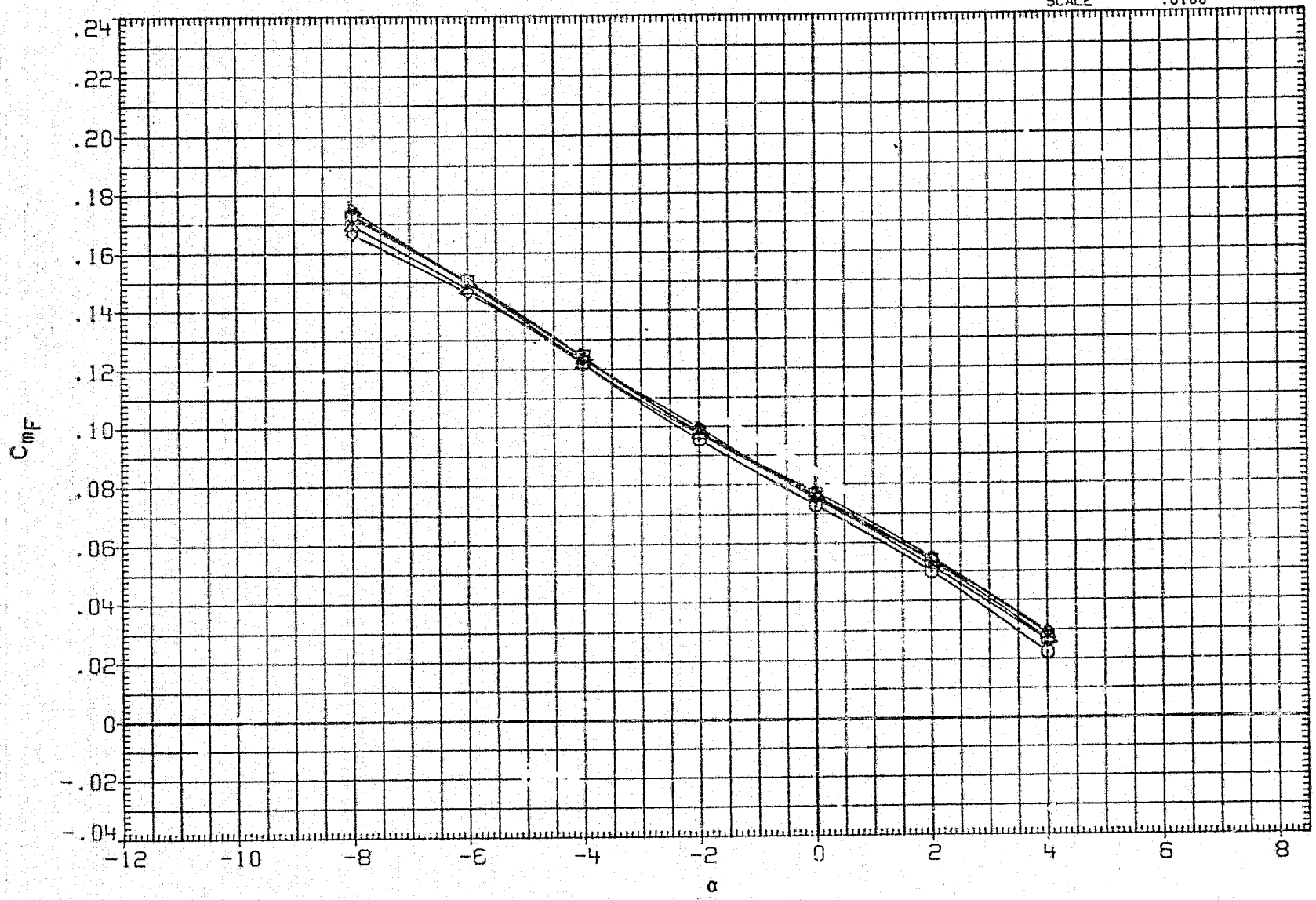


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

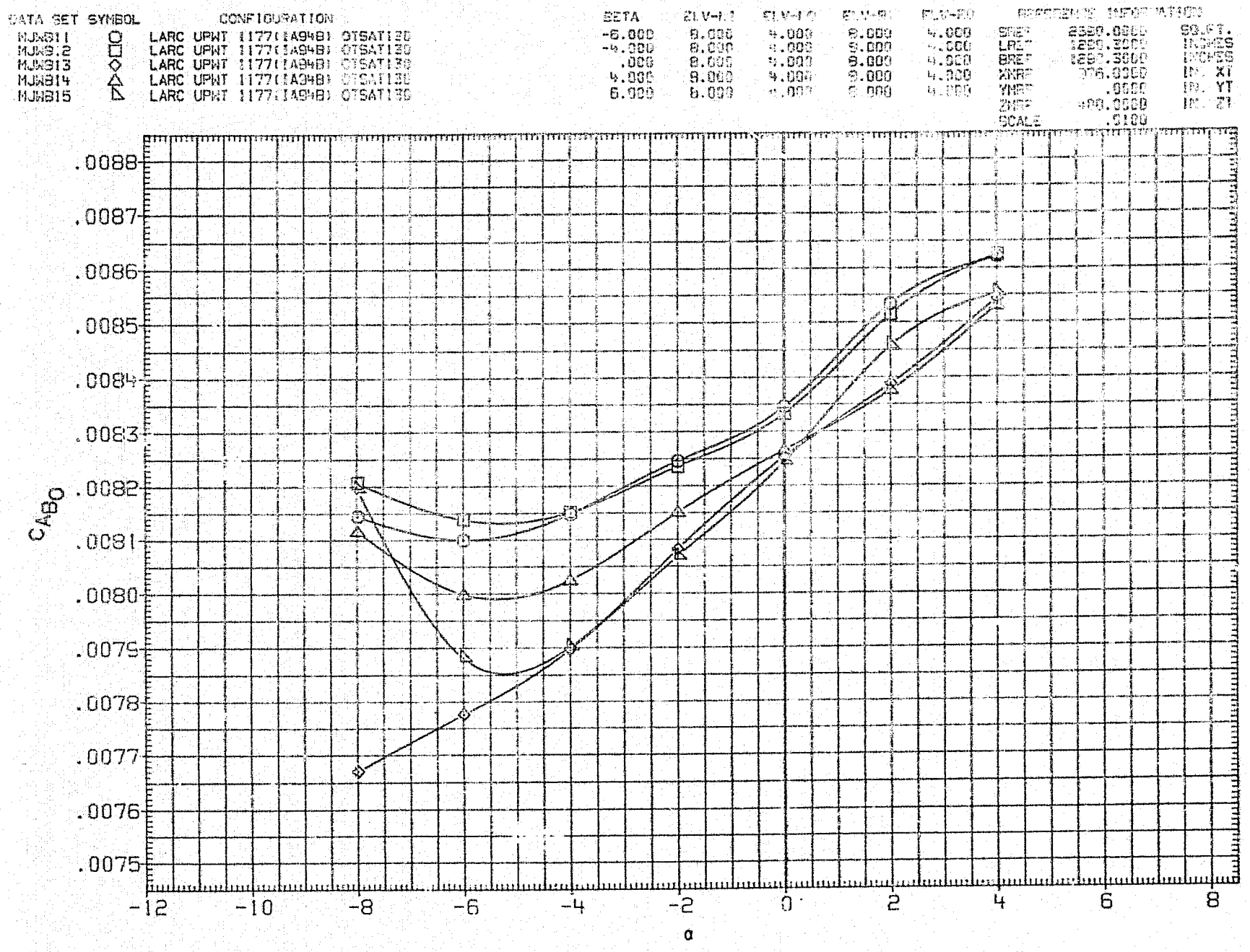


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-L1	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

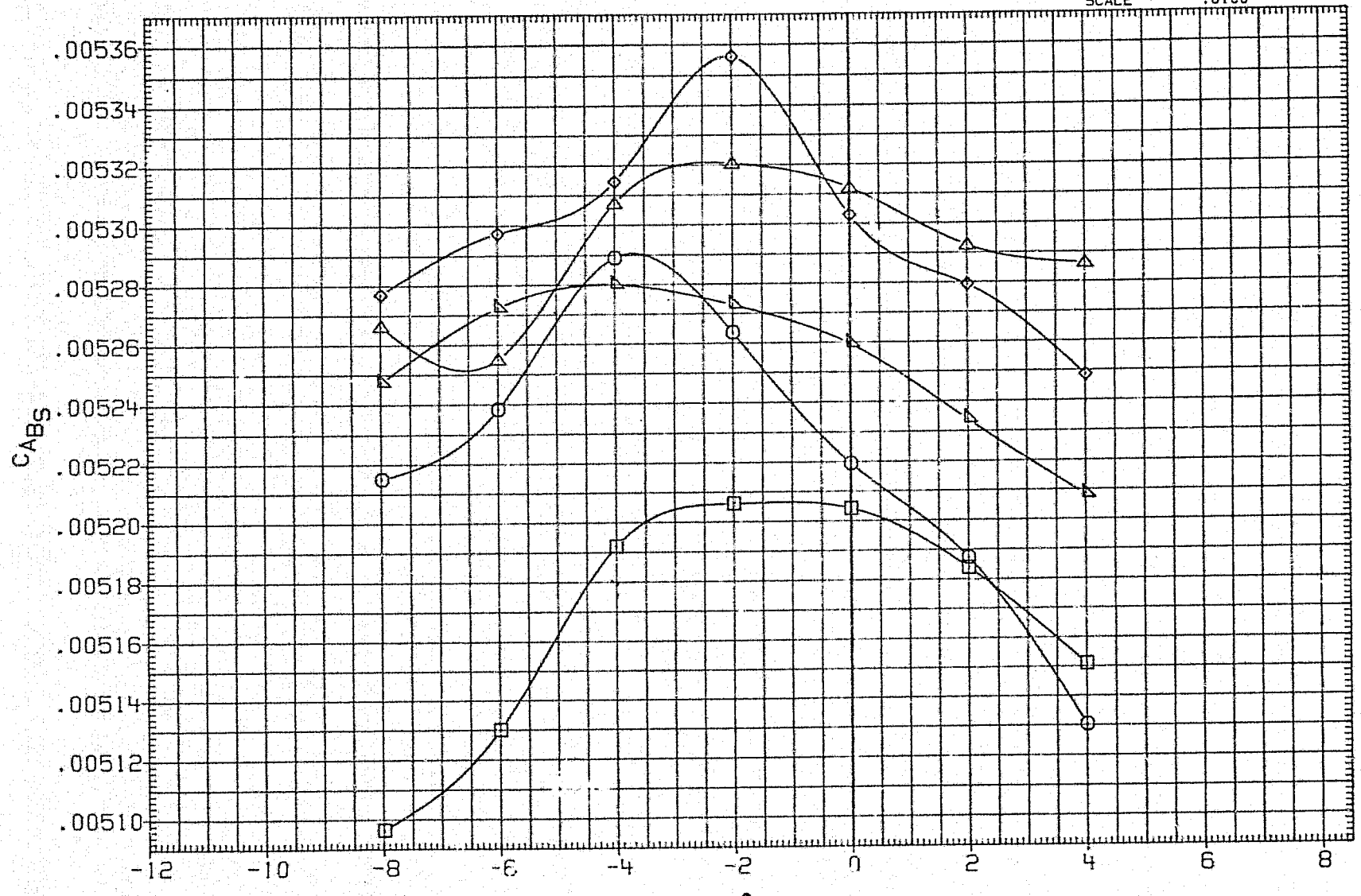


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWB15	⊿	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2820.6250	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.7000	INCHES
XMRP	976.8000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

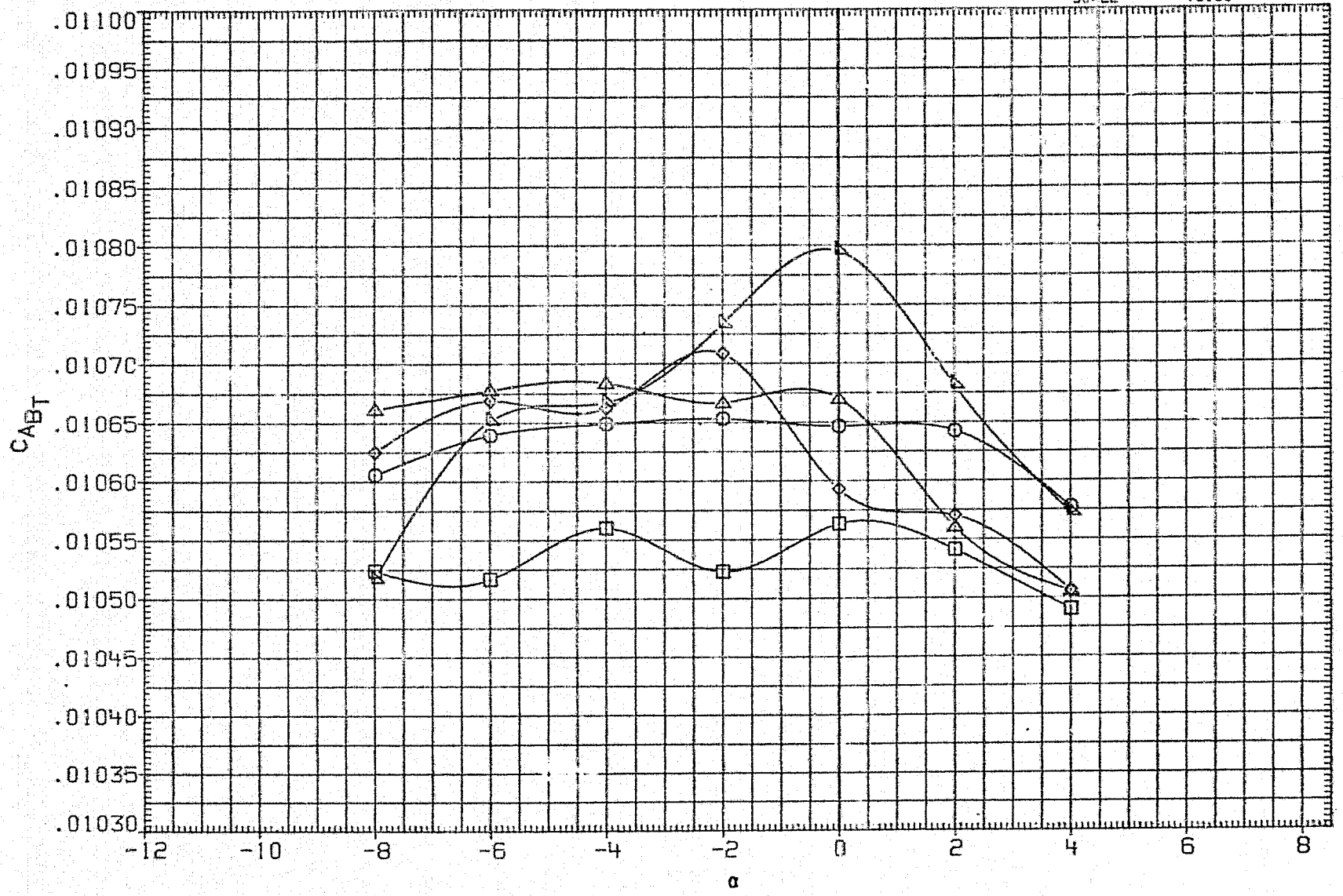


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB19	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB20	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

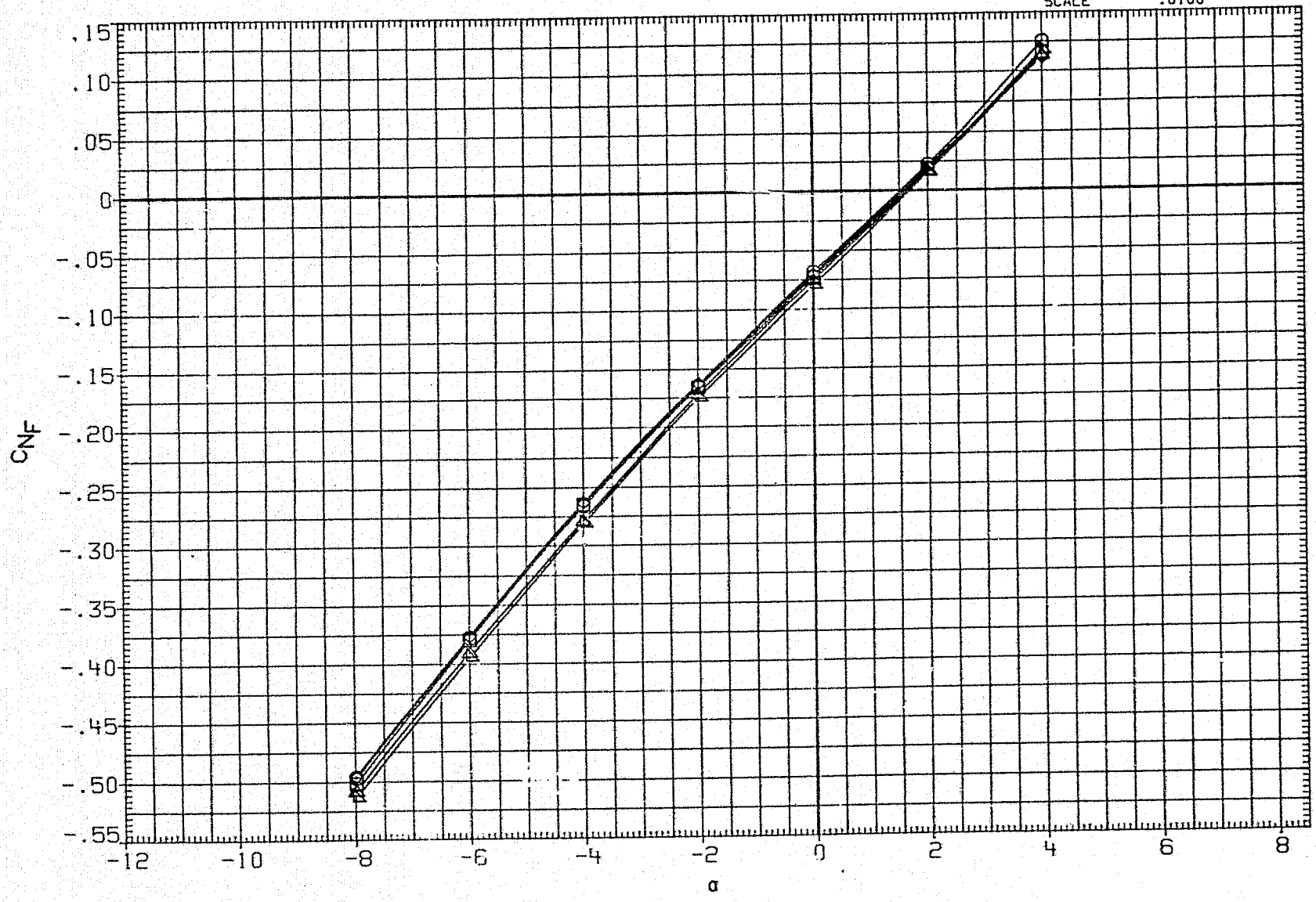


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB16	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	2.000	2.000	8.000
MJWB17	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	2.000	8.000	8.000
MJWB18	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	2.000	8.000	2.000
MJWB19	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	2.000	8.000	2.000
MJWB20	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION

SREF	2680.0000	SQ.FT.
LREF	1290.0000	INCHES
BREF	1290.0000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

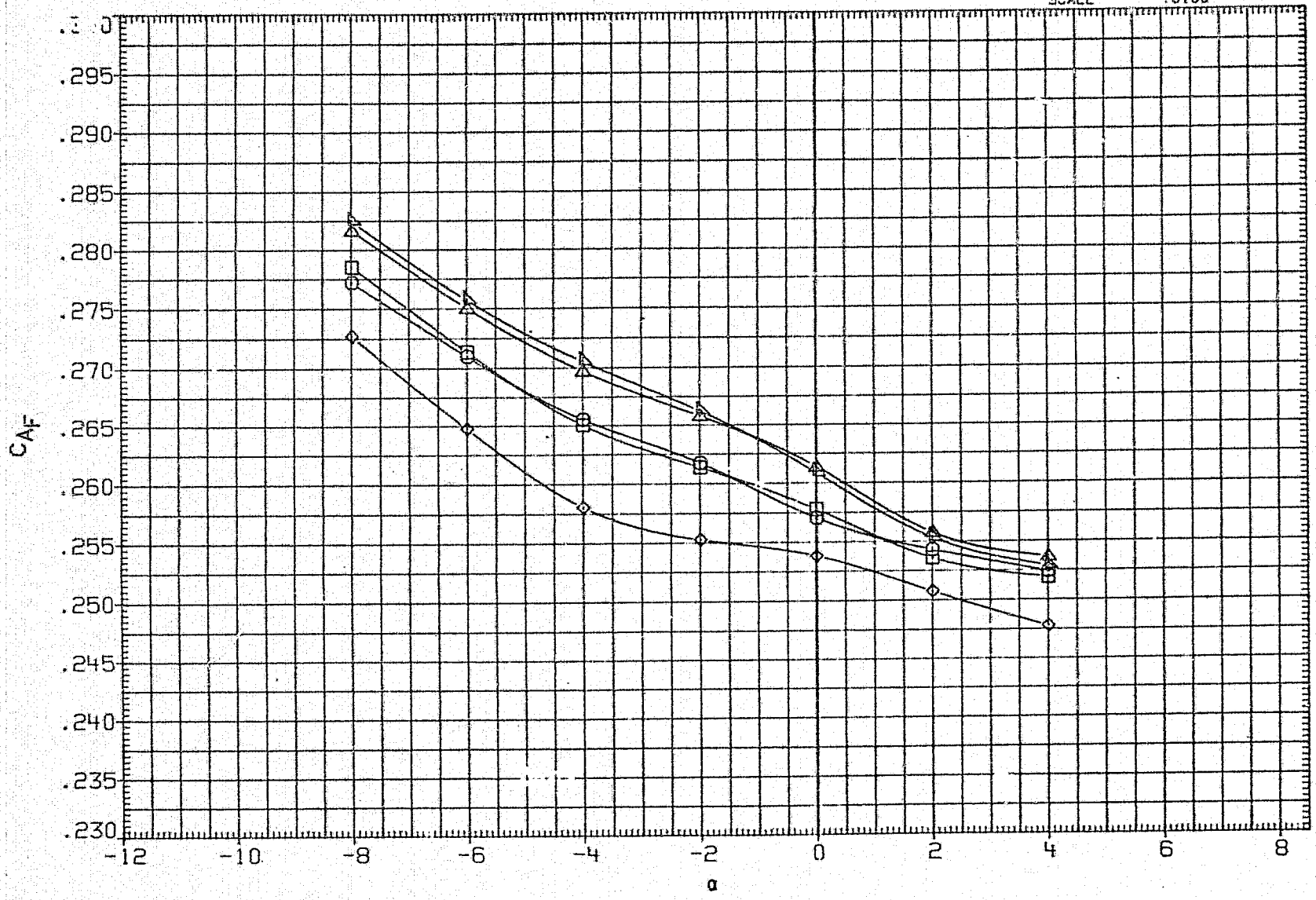


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB16	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB17	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB18	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB19	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB20	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

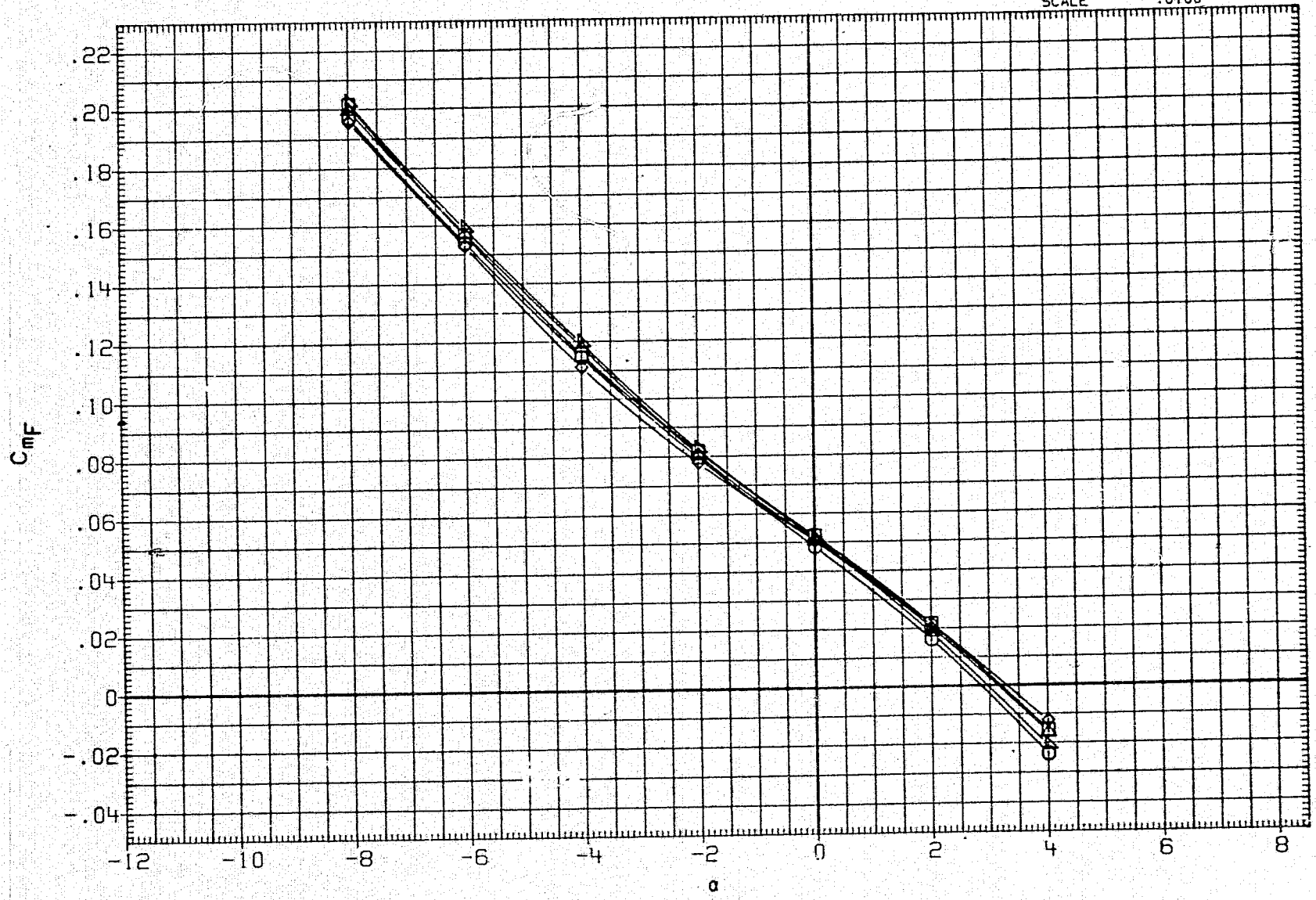


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB16	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	2.000	8.000	2.000
MJWB17	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	2.000	8.000	2.000
MJWB18	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	2.000	8.000	2.000
MJWB19	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	2.000	8.000	2.000
MJWB20	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

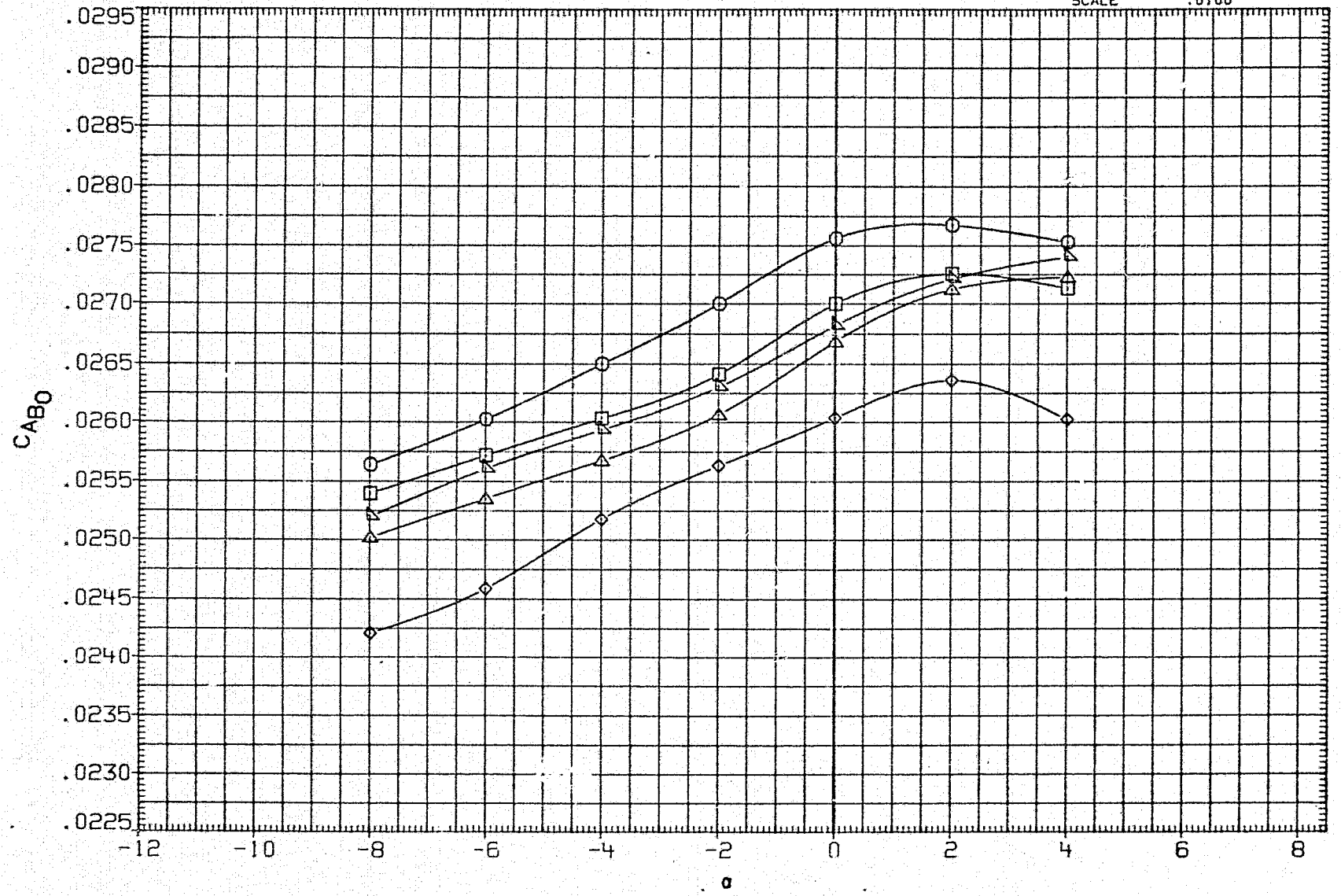


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB19	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB20	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

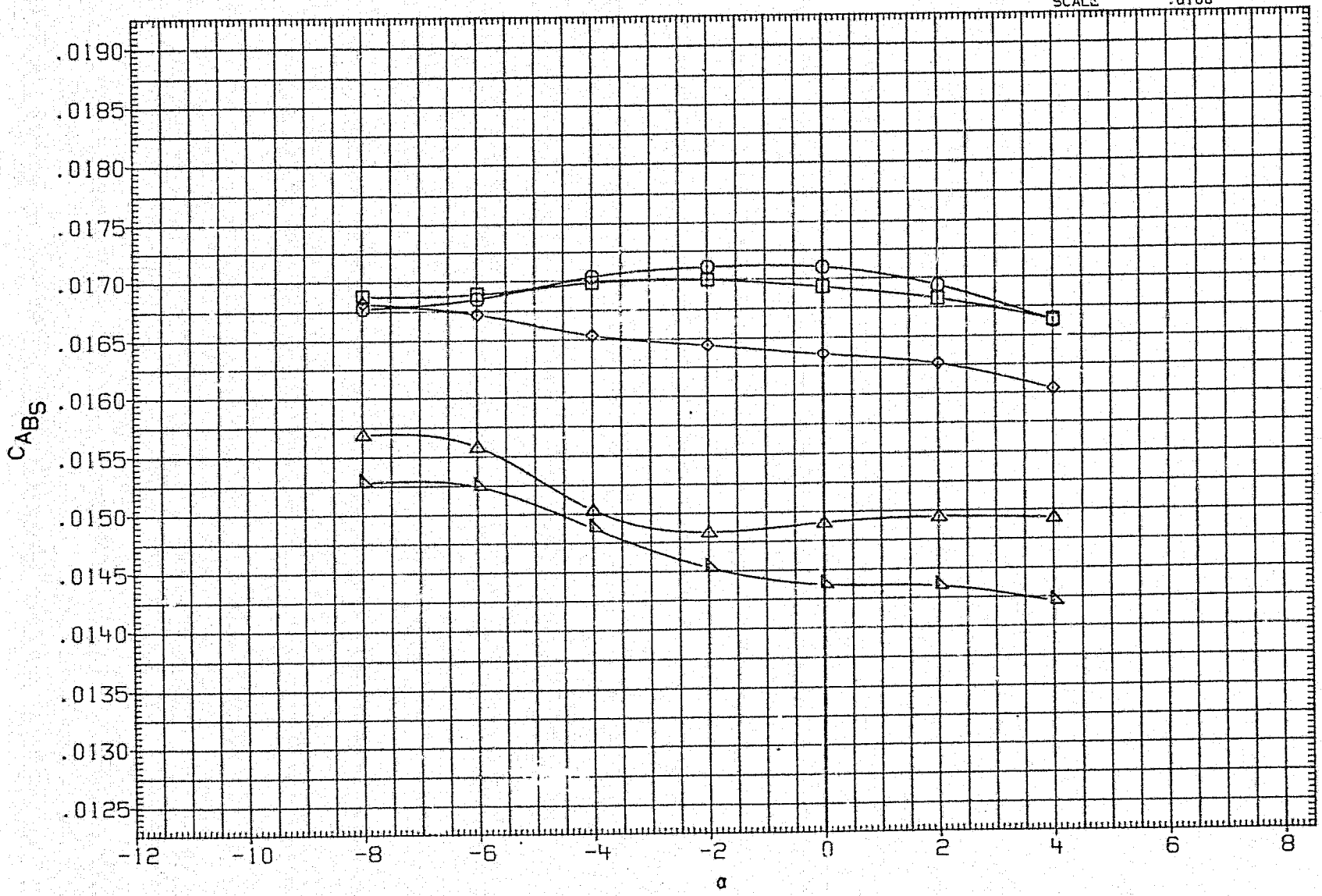


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB19	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB20	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

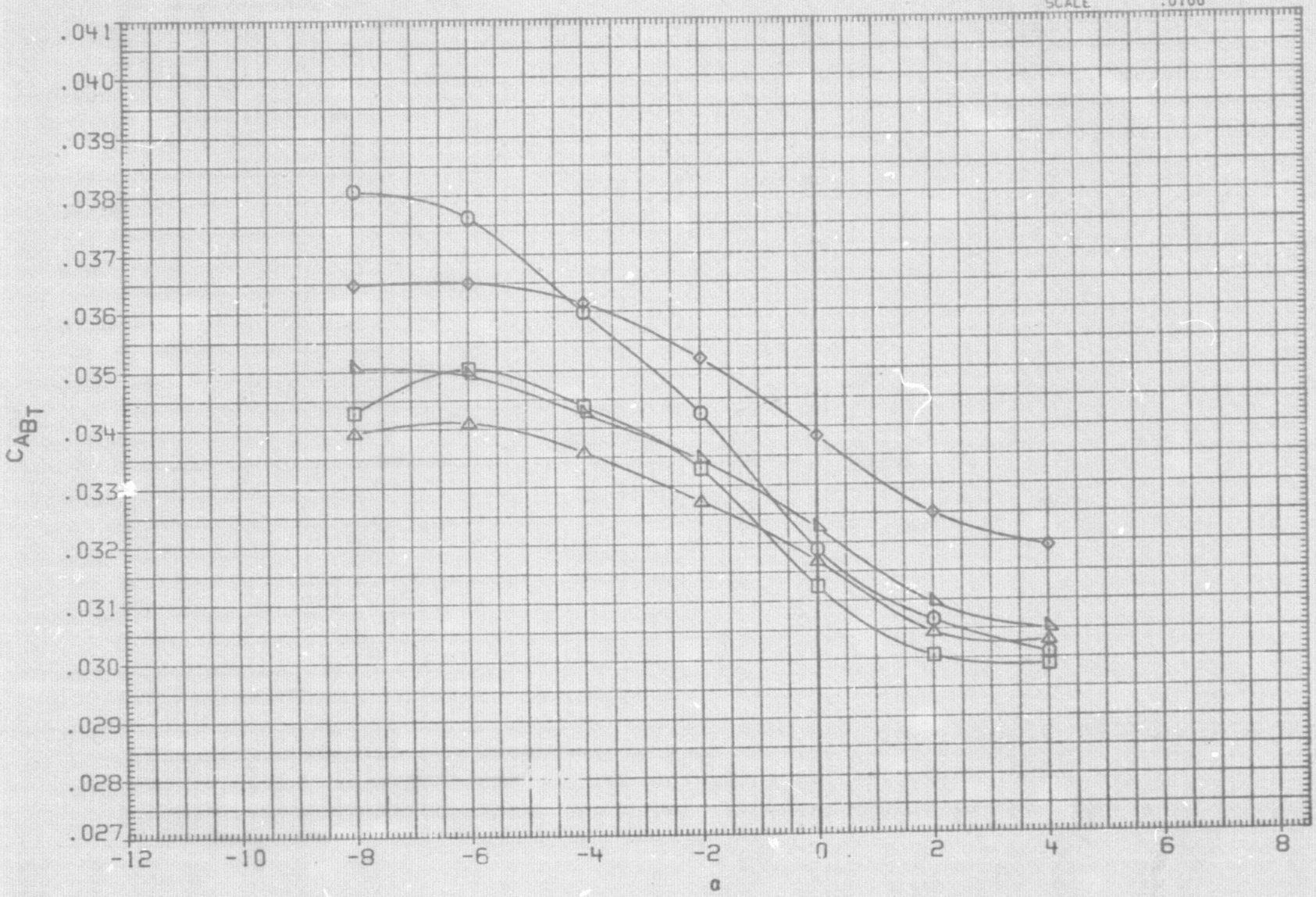


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWB25	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

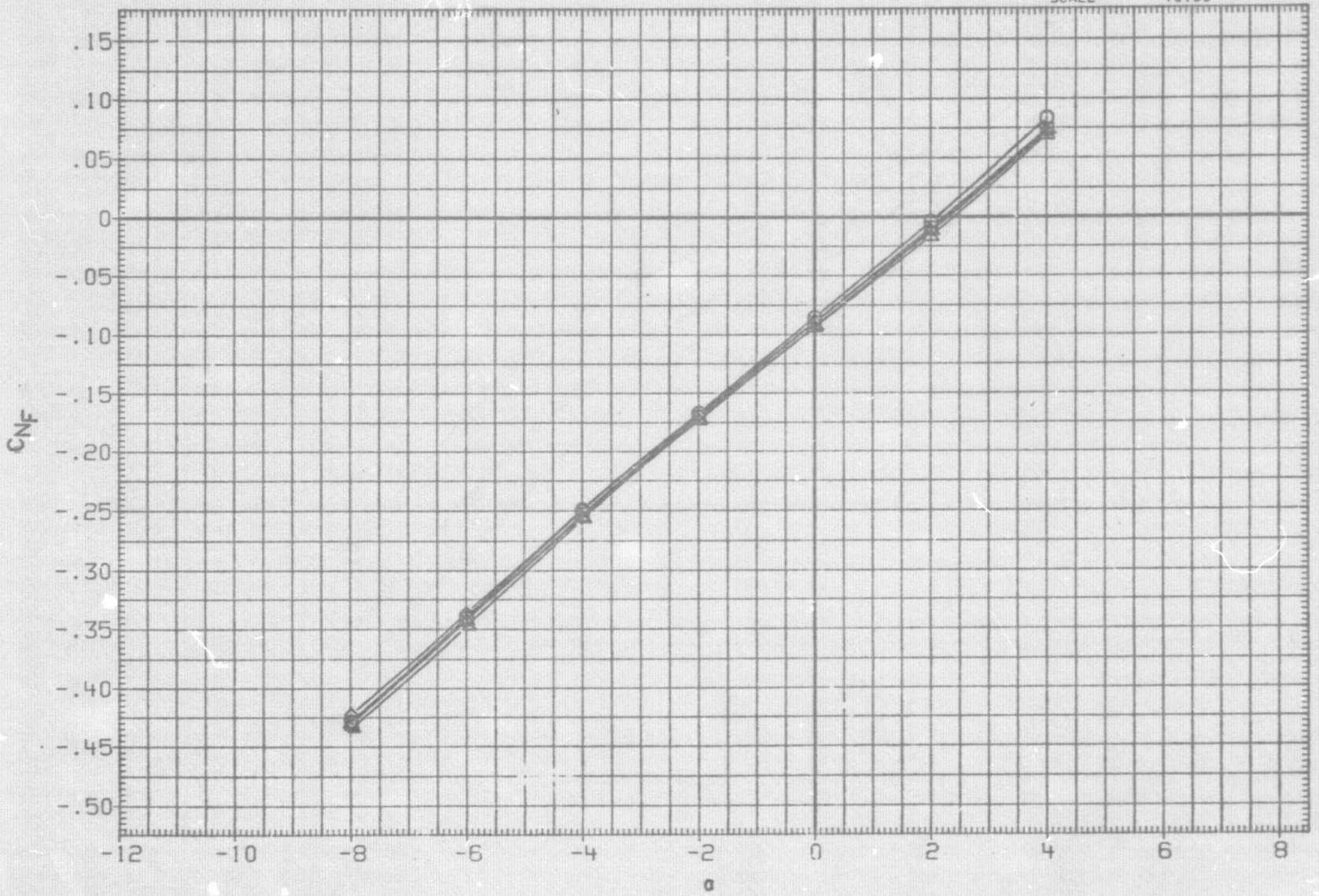


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWB25	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

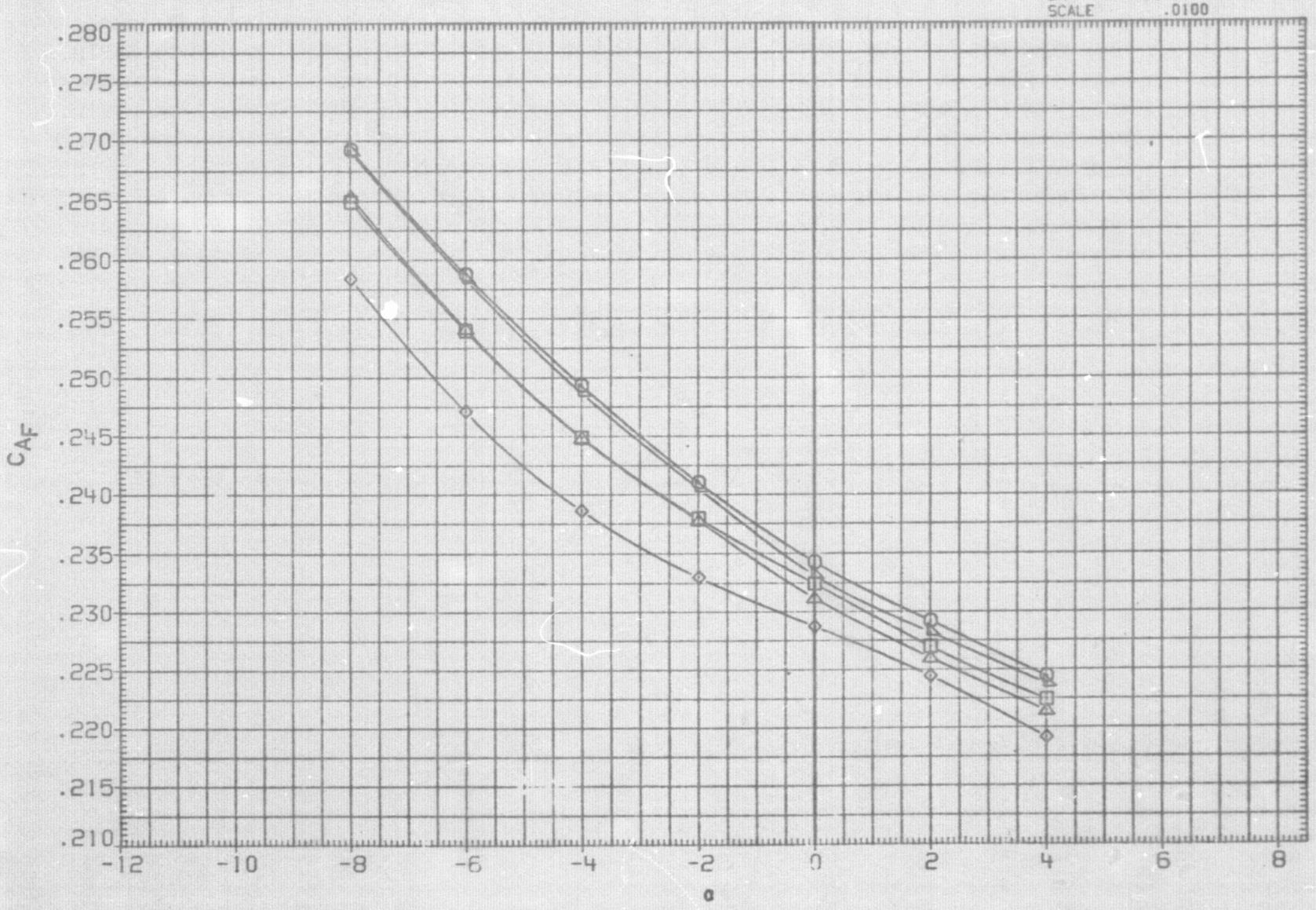


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJW821	○	LARC UPWT 1177(1A94B) OTSAT130
MJW822	□	LARC UPWT 1177(1A94B) OTSAT130
MJW823	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW824	△	LARC UPWT 1177(1A94B) OTSAT130
MJW825	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

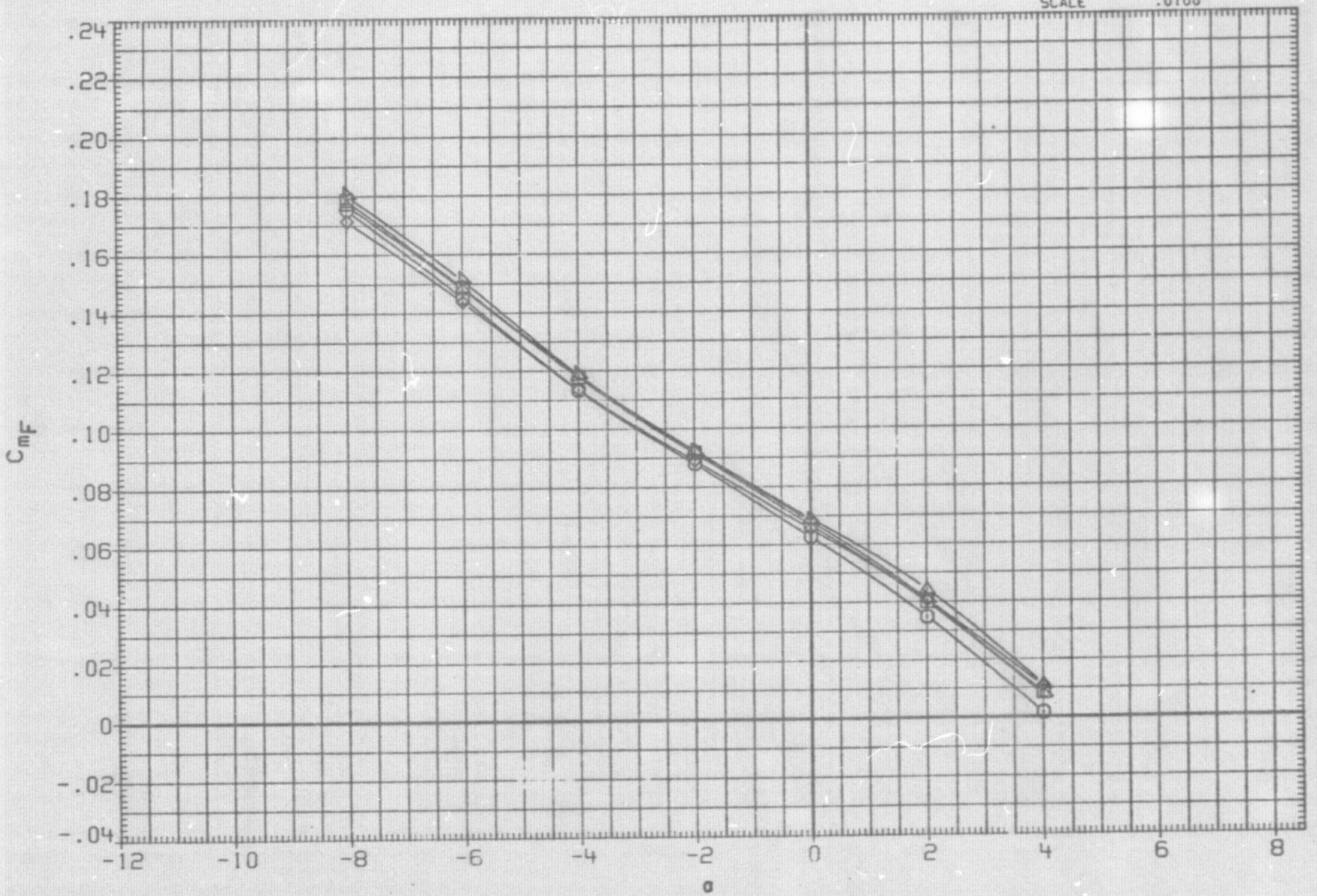


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

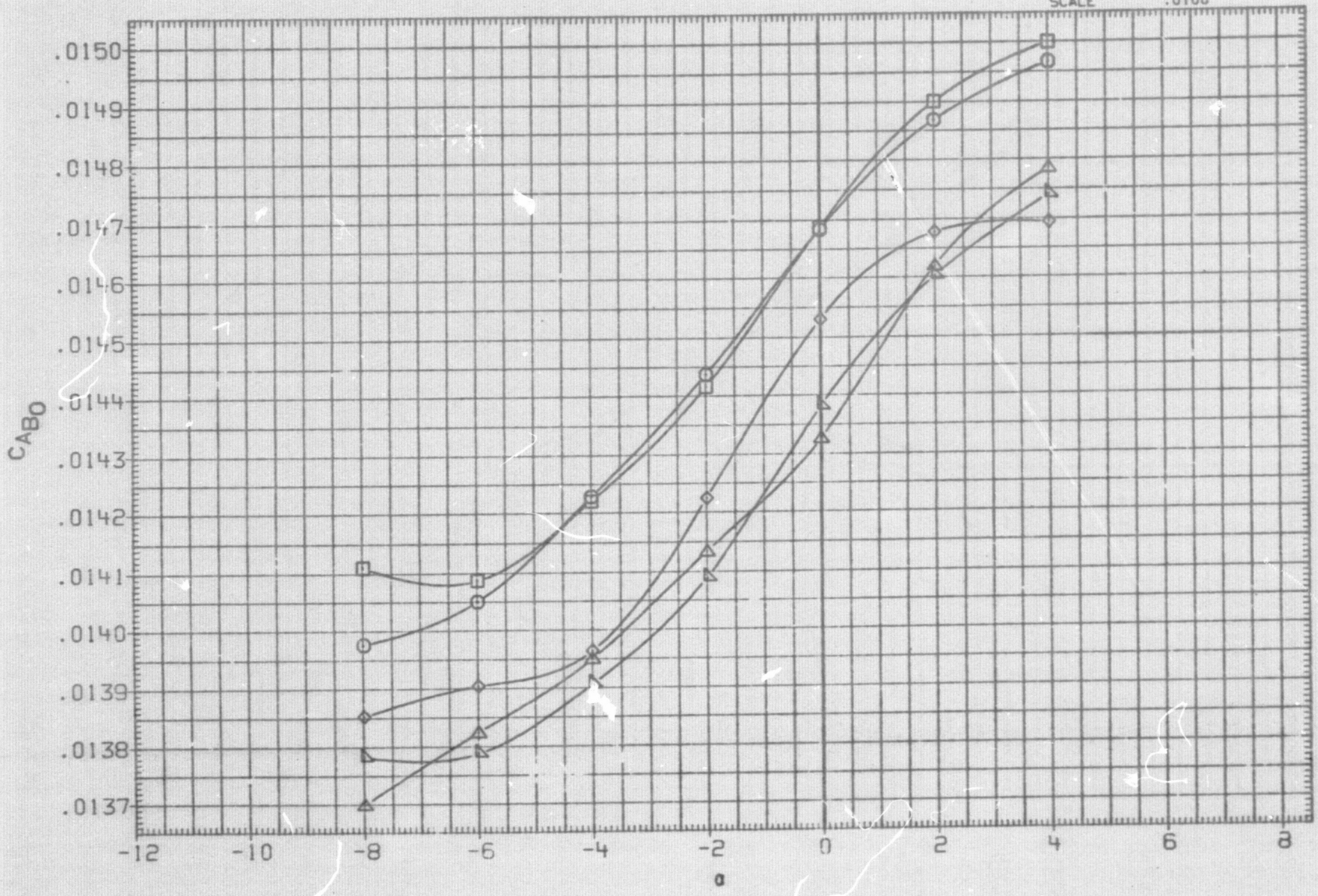


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWB25	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

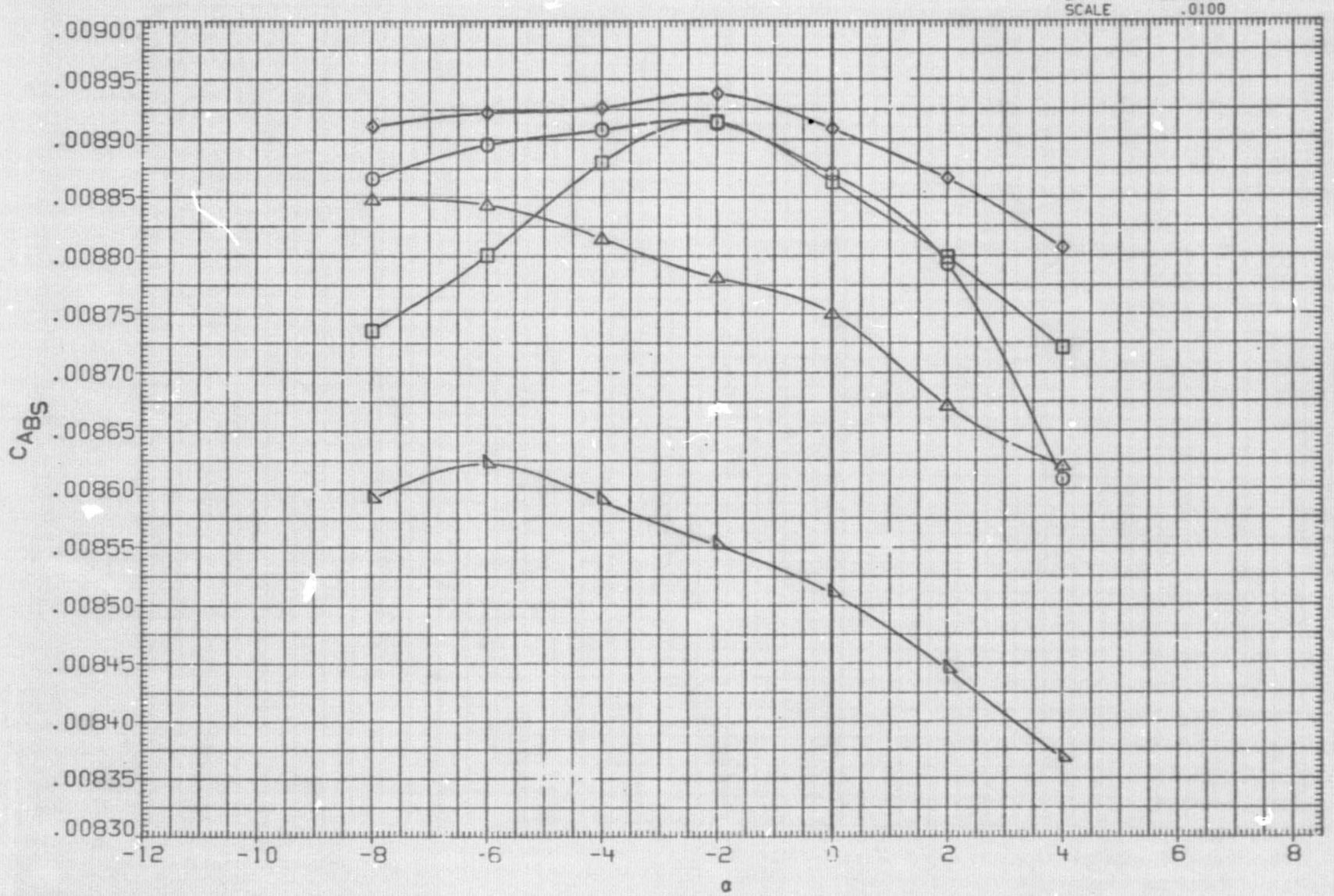


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

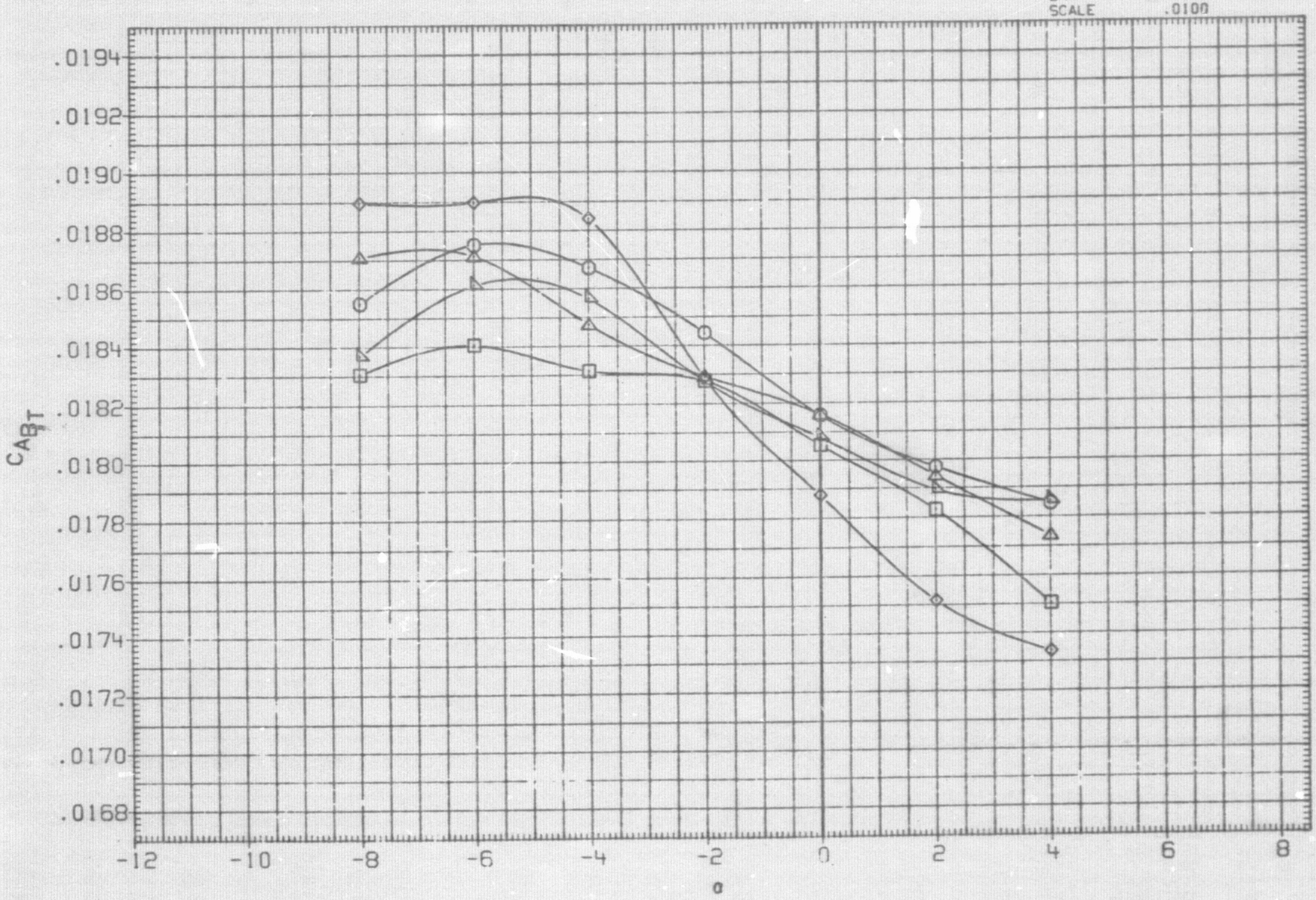


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWB25	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

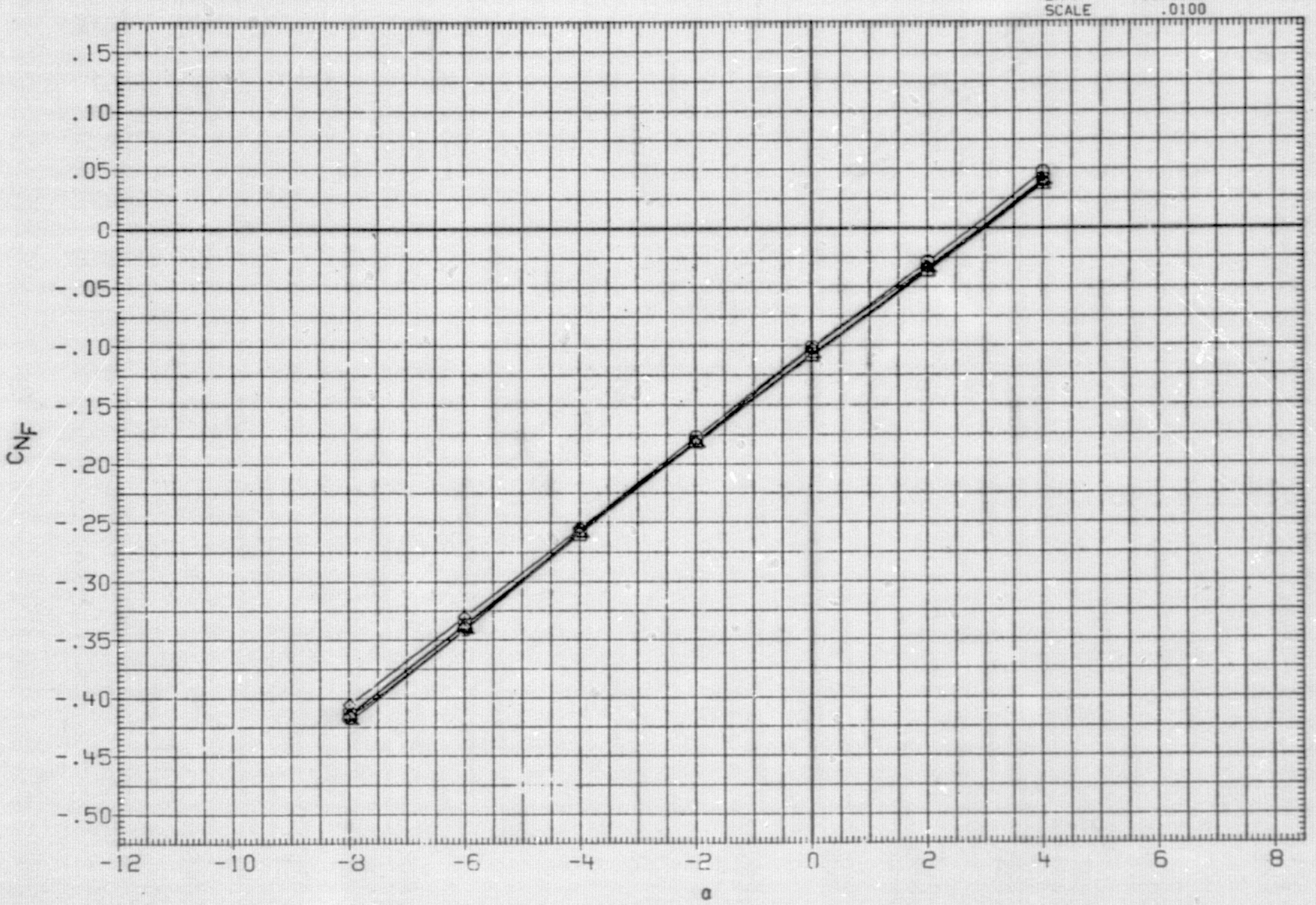


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB22	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB24	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB25	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

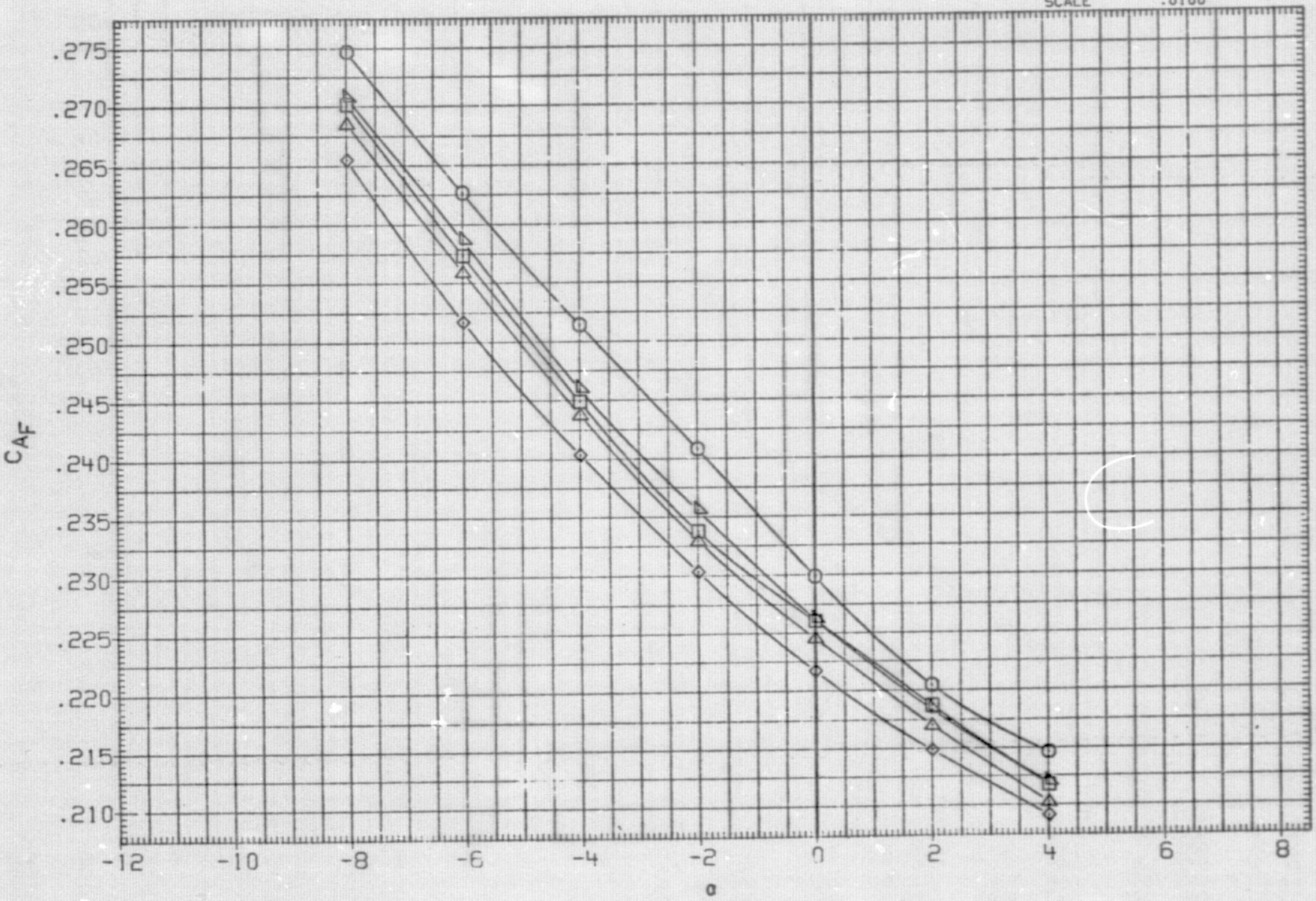


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

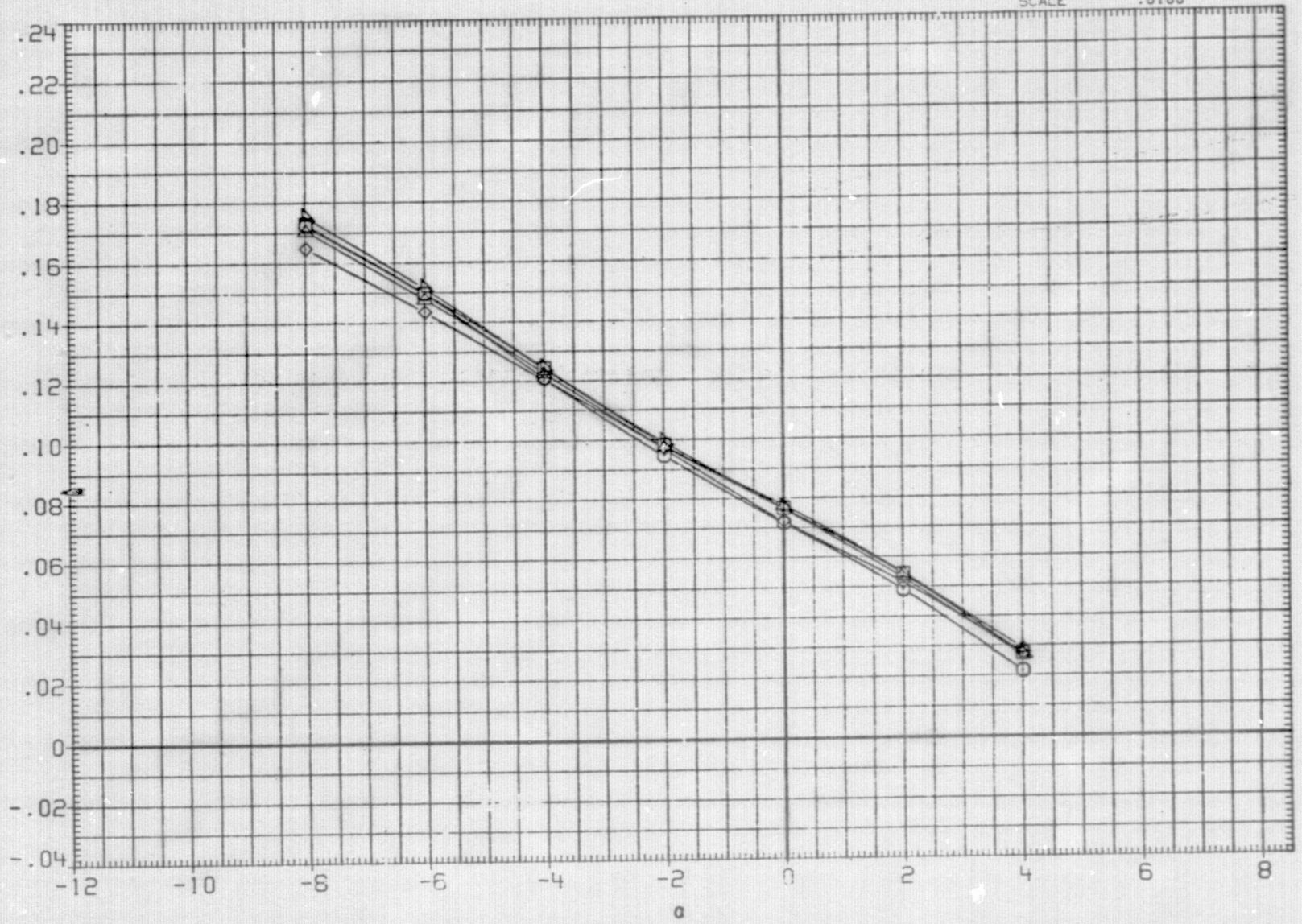


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

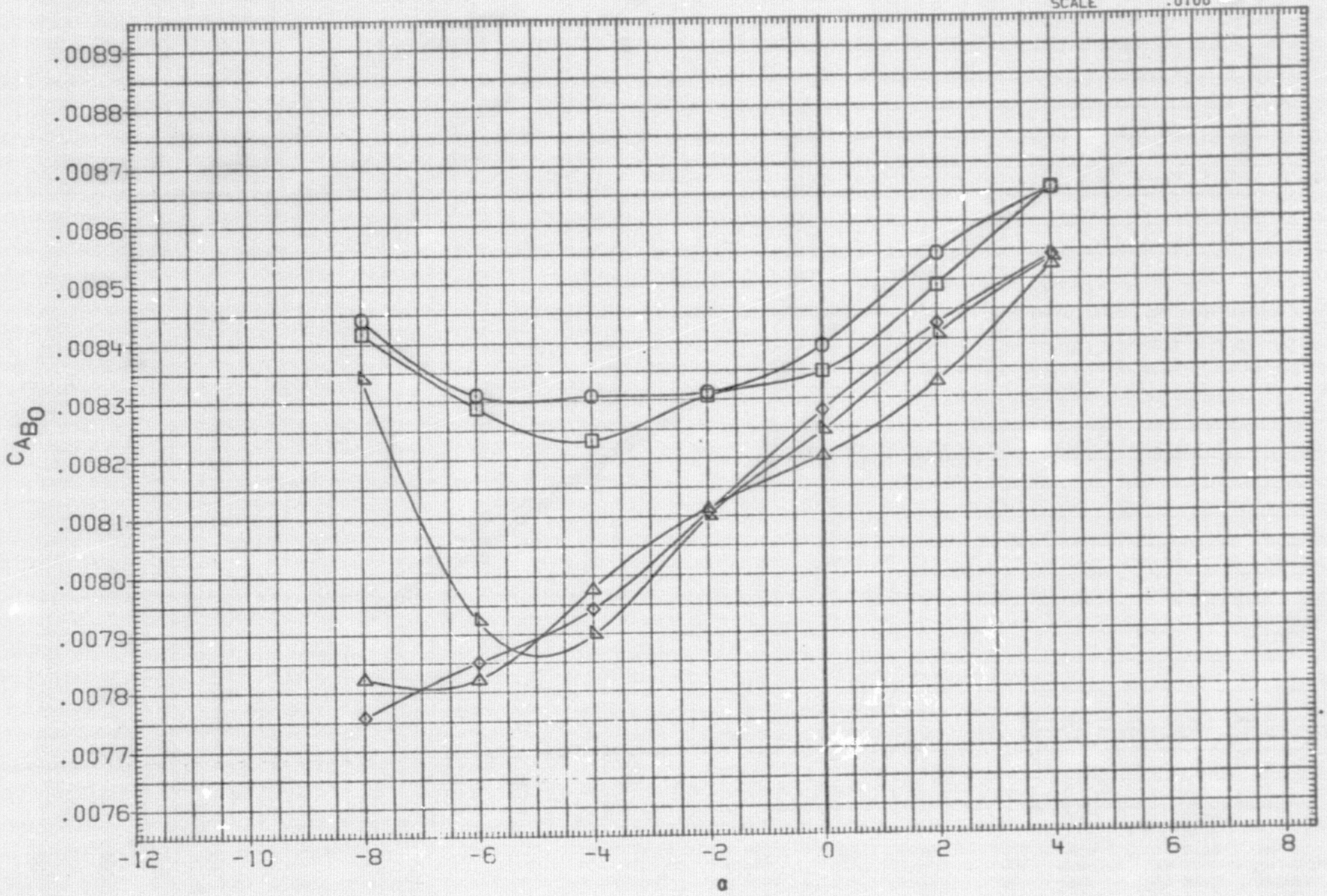


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWB25	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

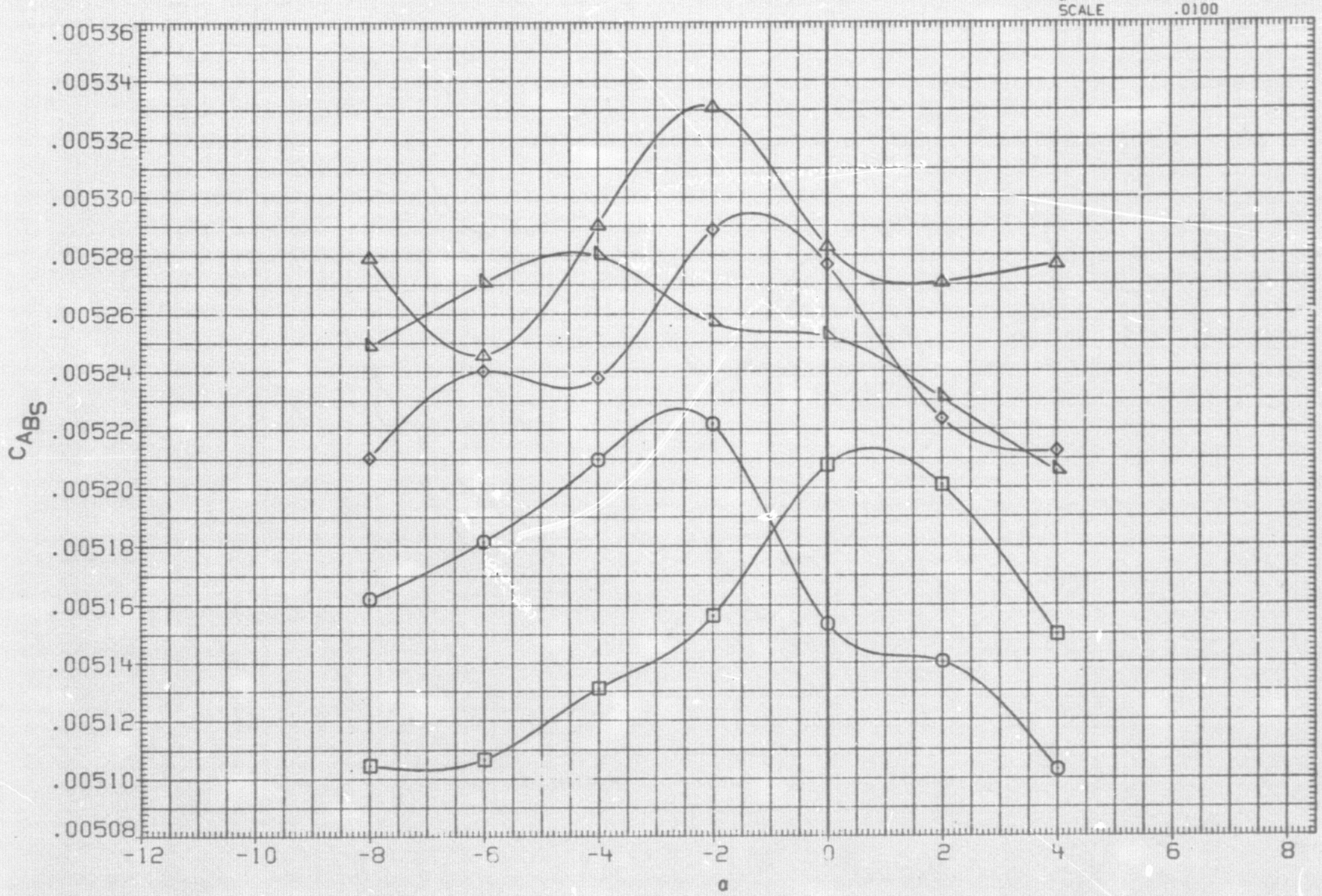


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

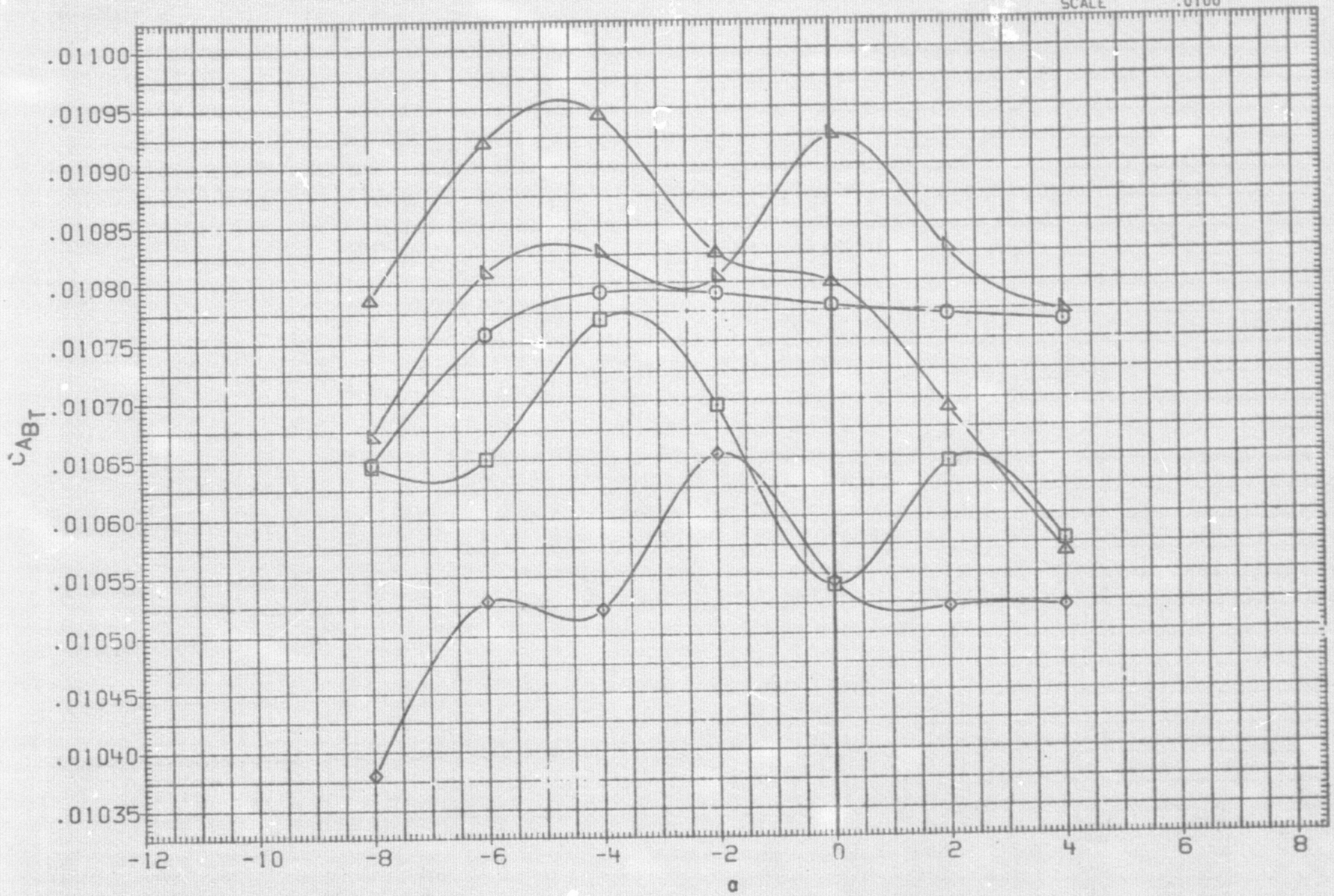


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB30	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

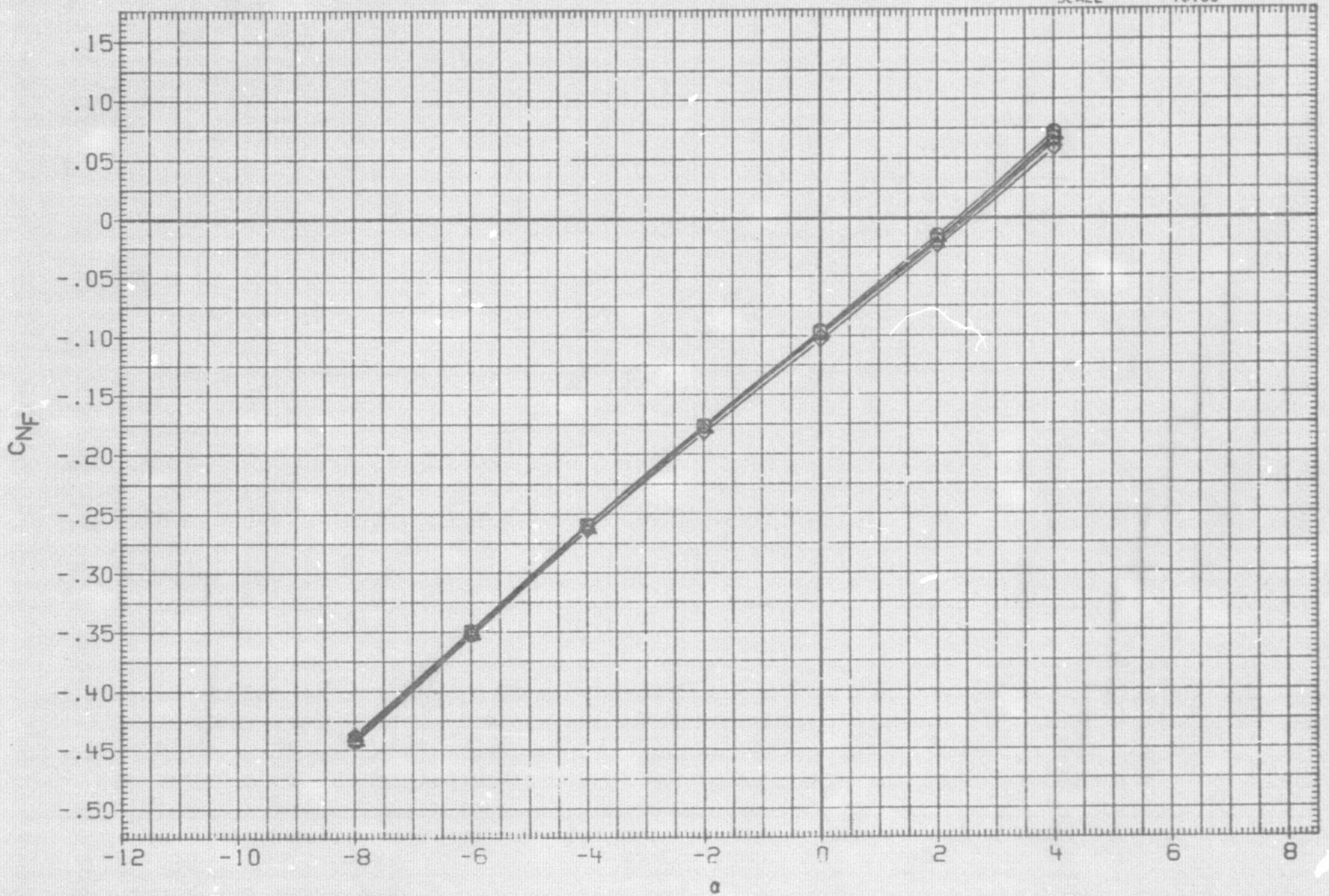


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJW826	○	LARC UPWT 1177(1A94B) OTSAT130
MJW827	□	LARC UPWT 1177(1A94B) OTSAT130
MJW828	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW829	△	LARC UPWT 1177(1A94B) OTSAT130
MJW830	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

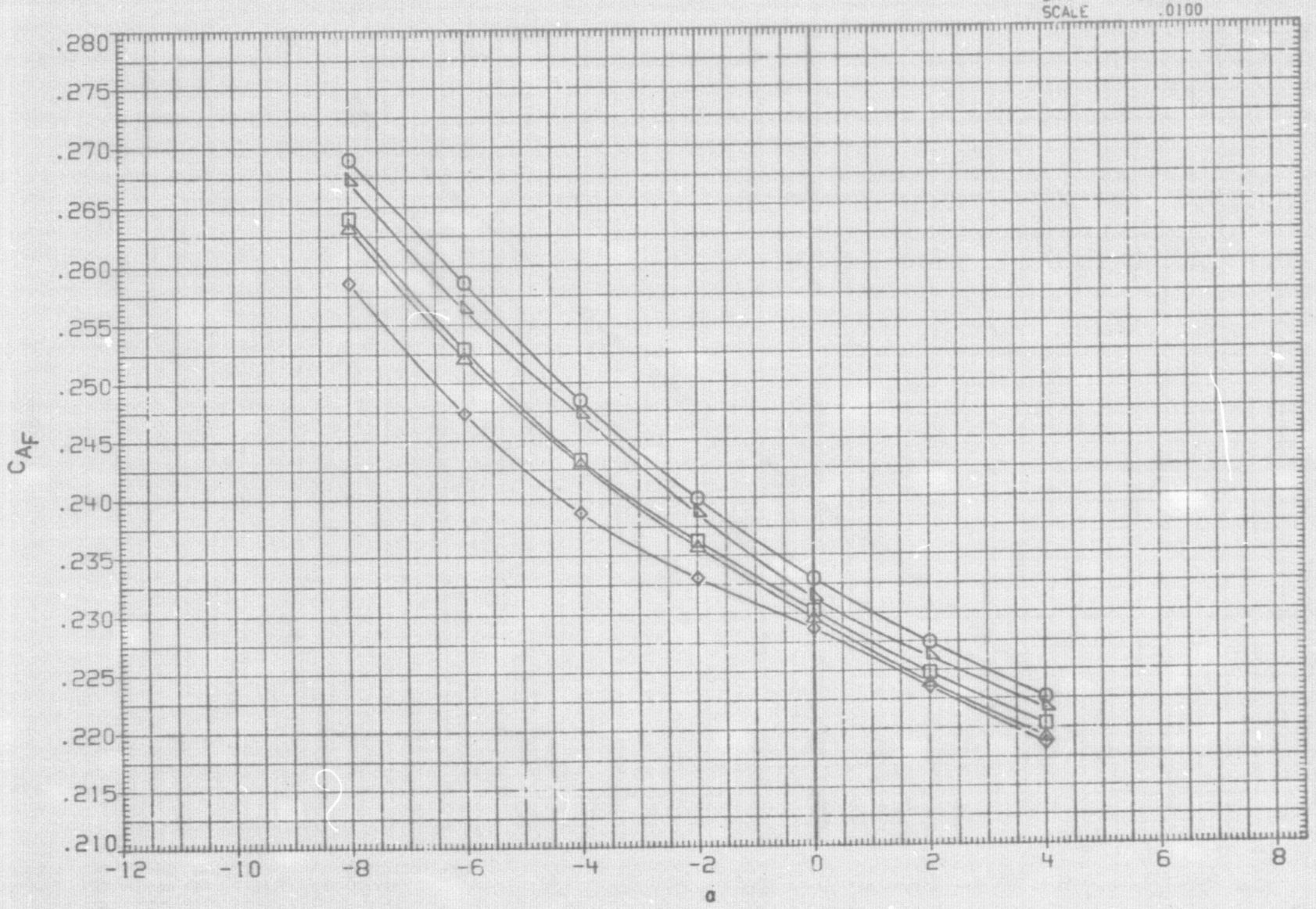


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB30	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

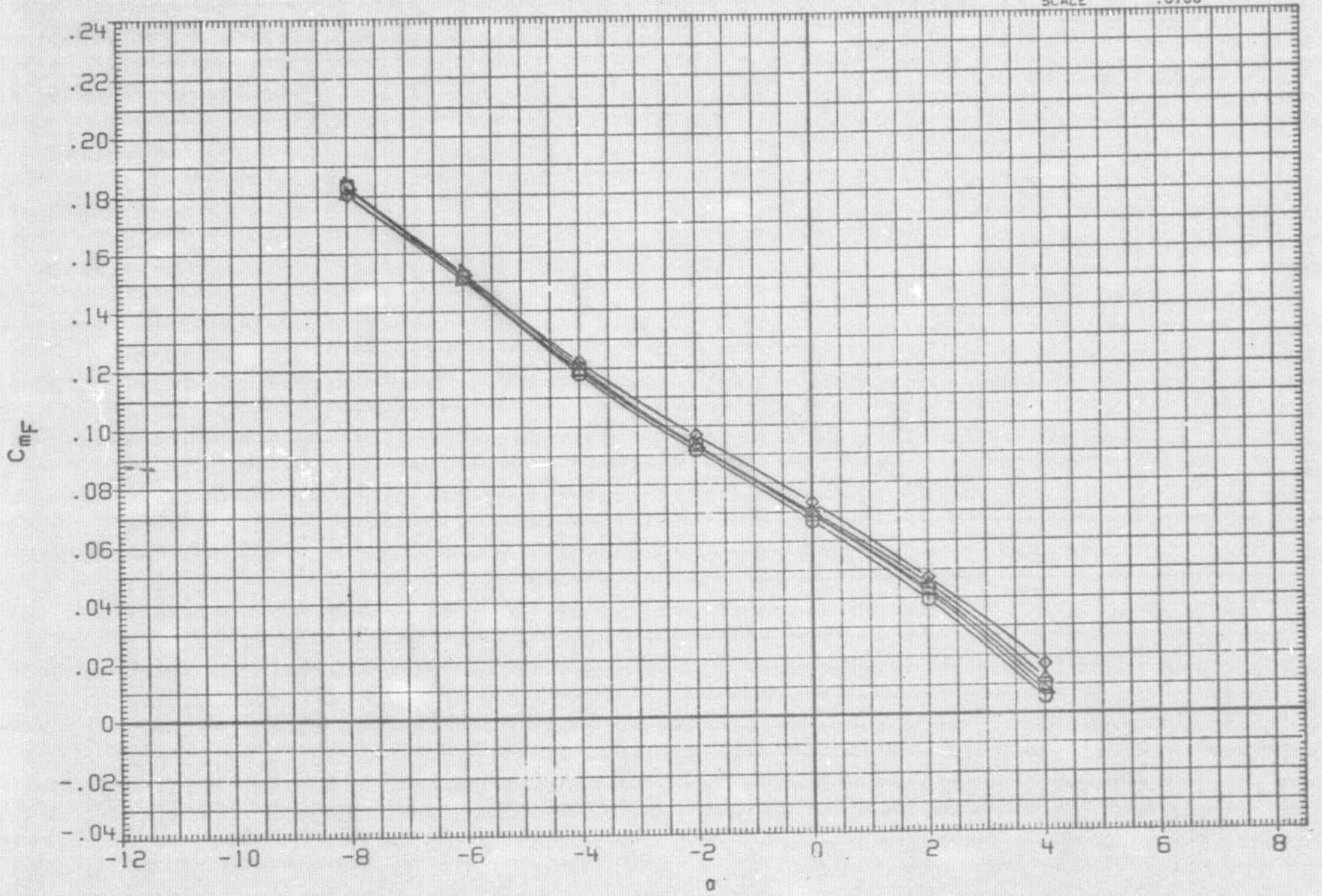


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB30	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

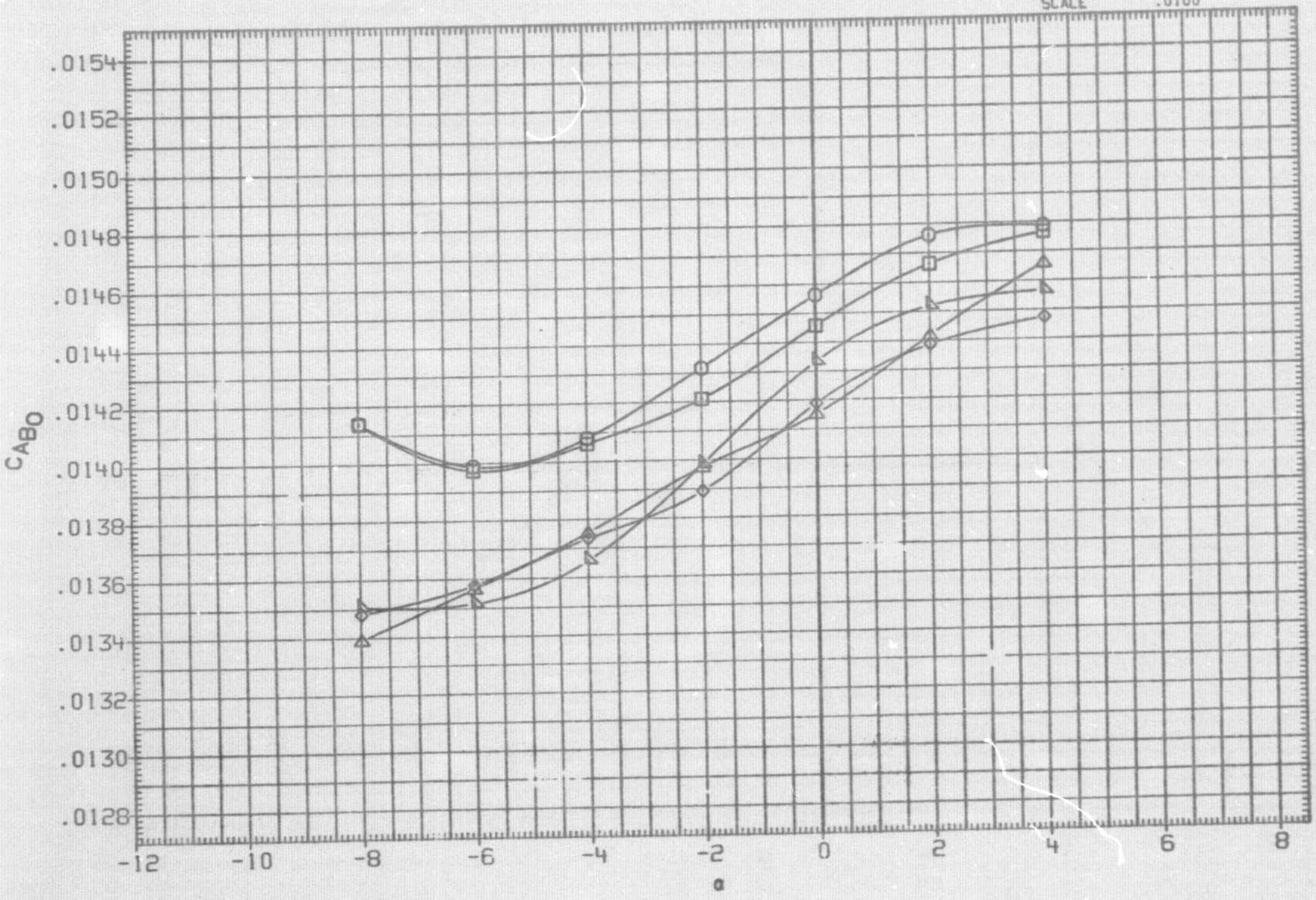


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB30	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

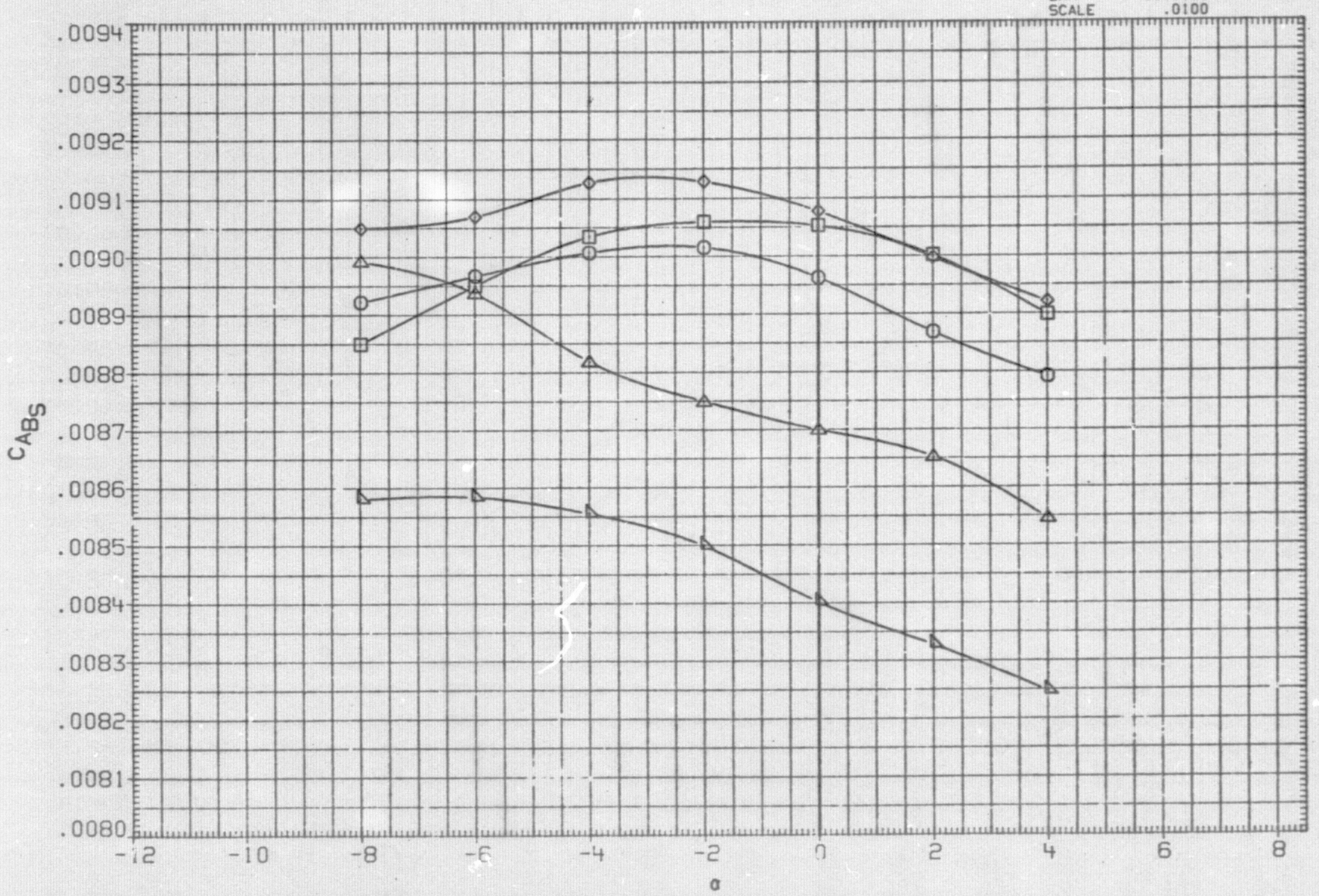


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJW826	○	LARC UPWT 1177(IA94B) OTSAT130
MJW827	□	LARC UPWT 1177(IA94B) OTSAT130
MJW828	◇	LARC UPWT 1177(IA94B) OTSAT130
MJW829	△	LARC UPWT 1177(IA94B) OTSAT130
MJW830	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

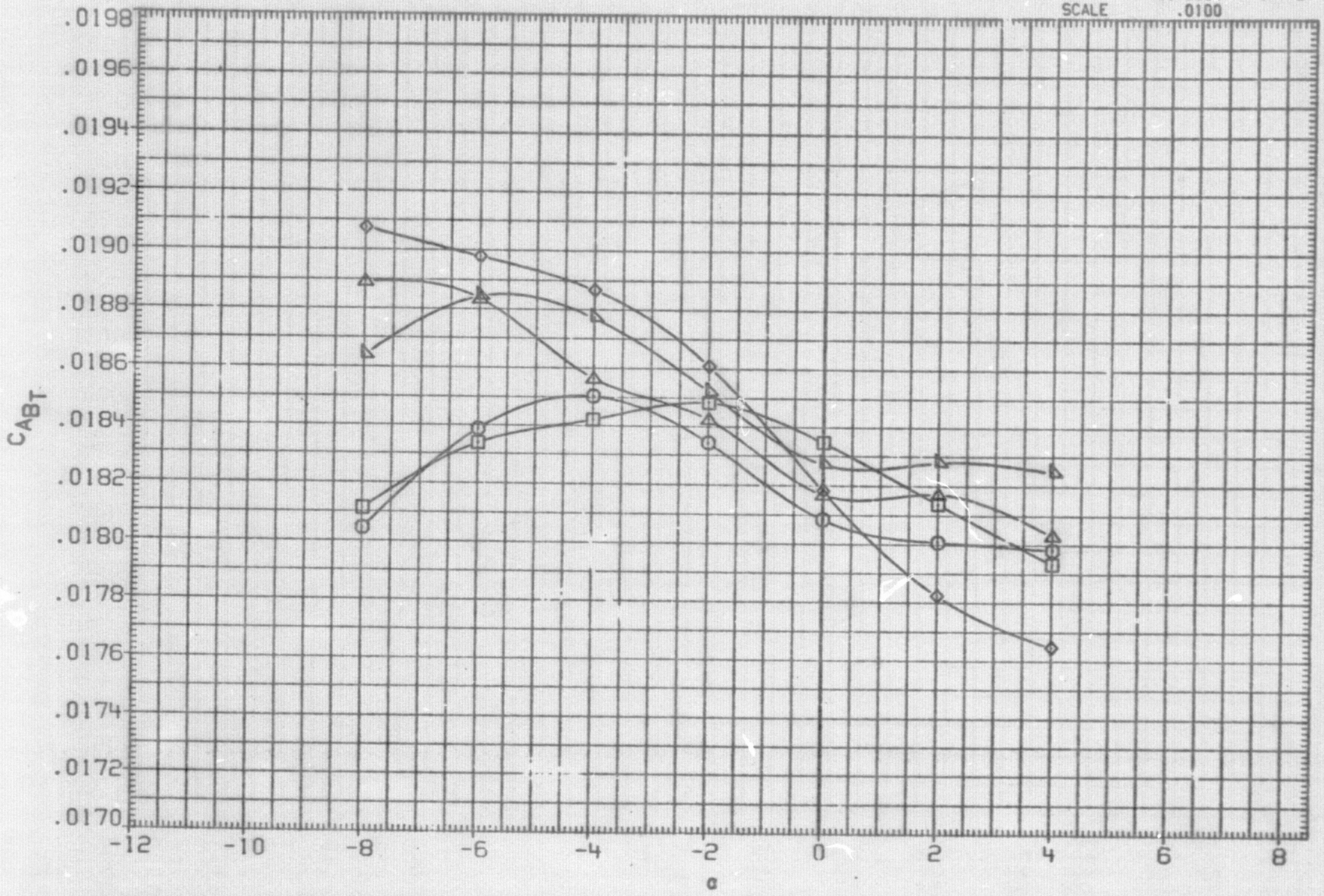


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB26	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	.000	.000	.000
MJWB27	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	.000	.000	.000
MJWB28	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	.000	.000	.000
MJWB29	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	.000	.000	.000
MJWB30	▽	LARC UPWT 1177(1A94B) OTSAT130	8.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

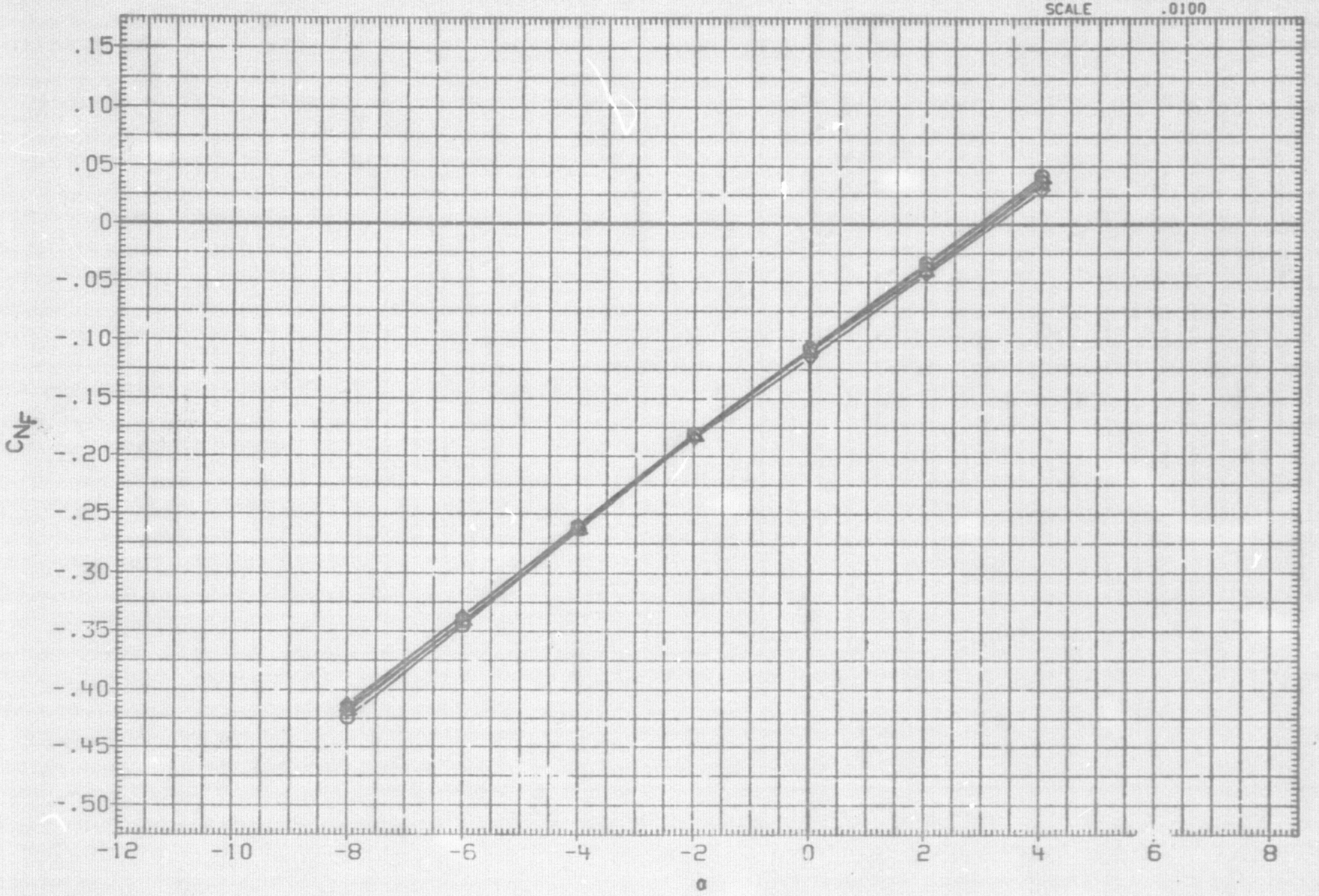


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB30	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

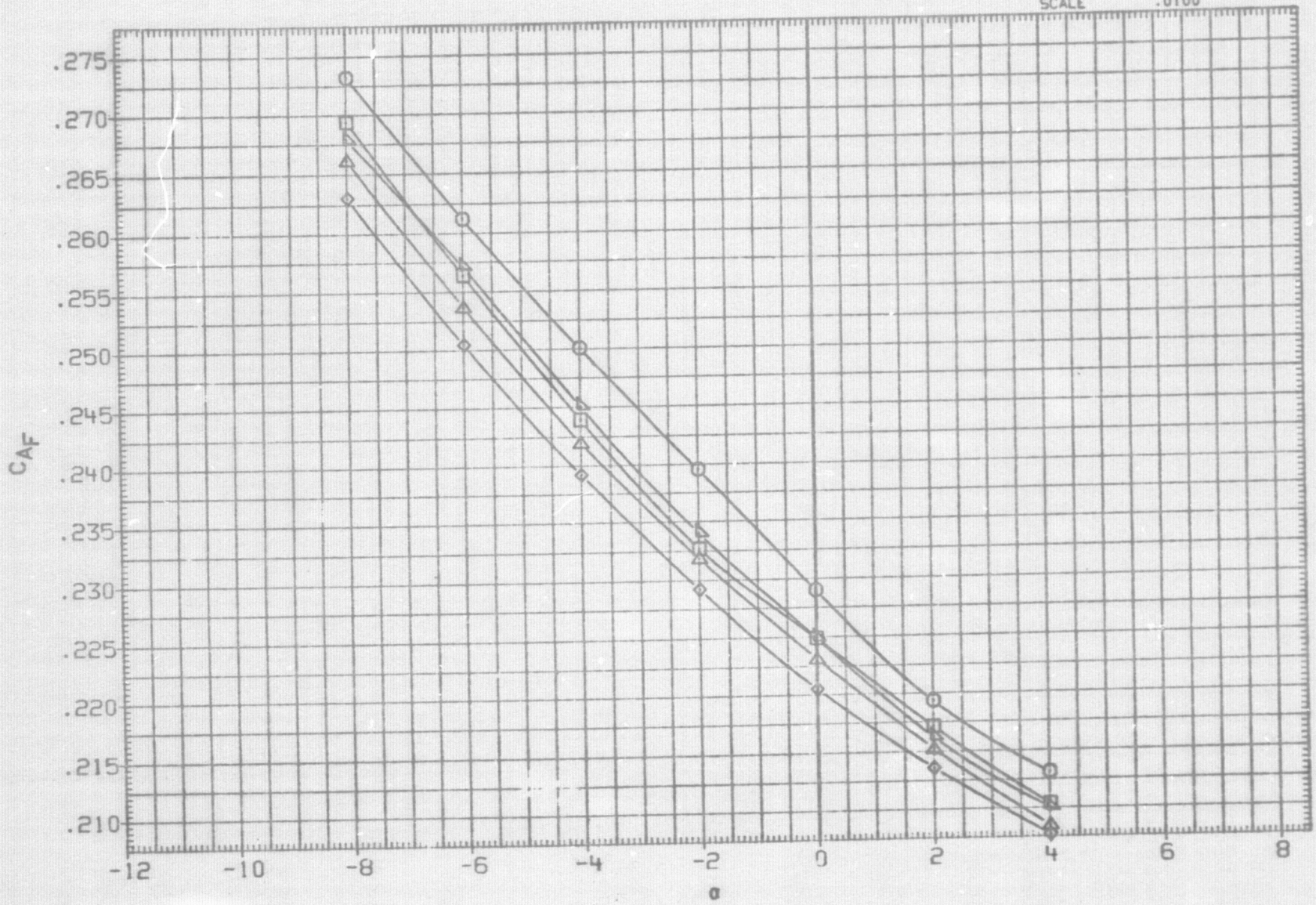


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW826	○	LARC UPWT 1177(1A94B) OTSAT130
MJW827	□	LARC UPWT 1177(1A94B) OTSAT130
MJW828	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW829	△	LARC UPWT 1177(1A94B) OTSAT130
MJW830	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
5.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

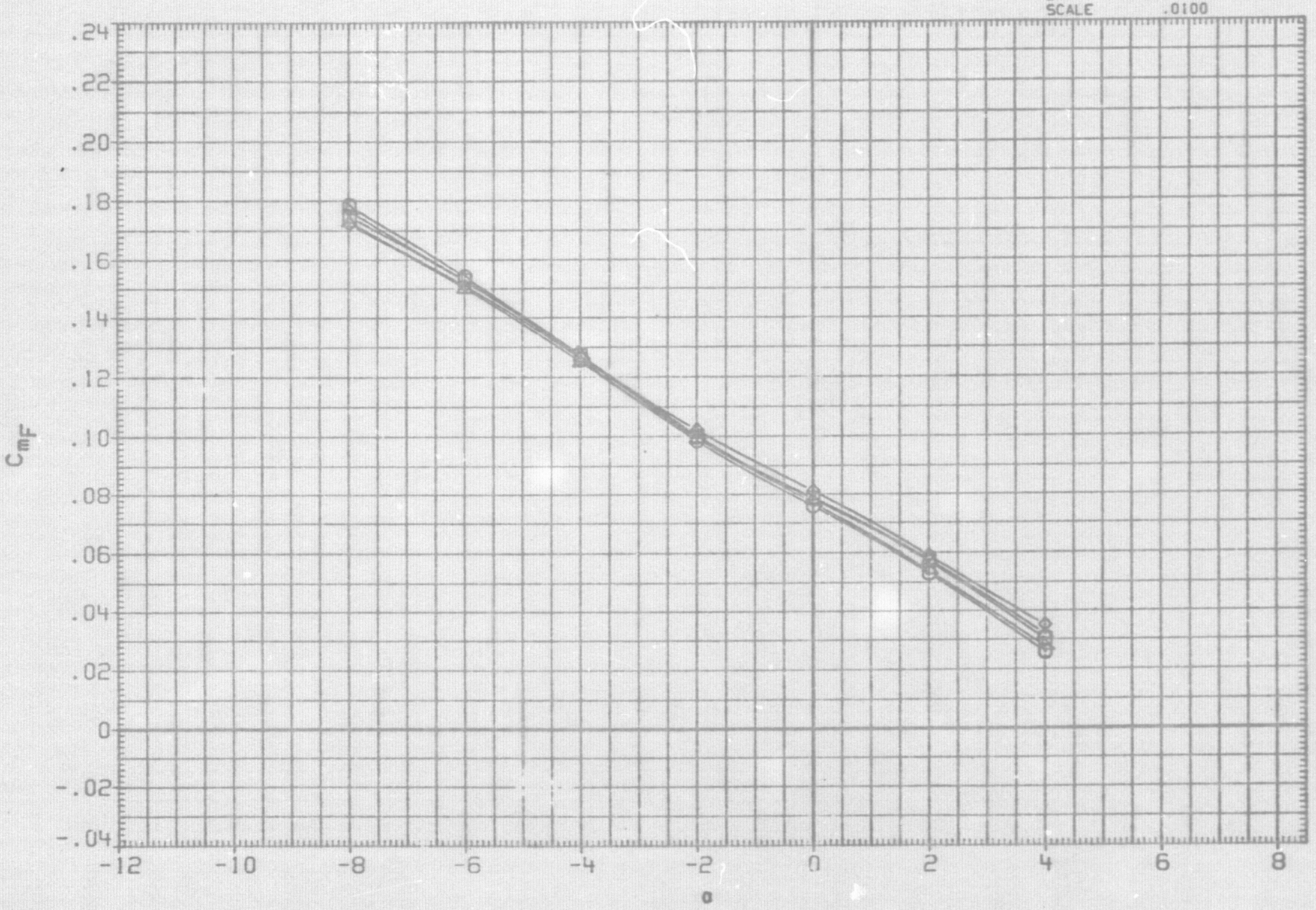


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB30	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2530.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

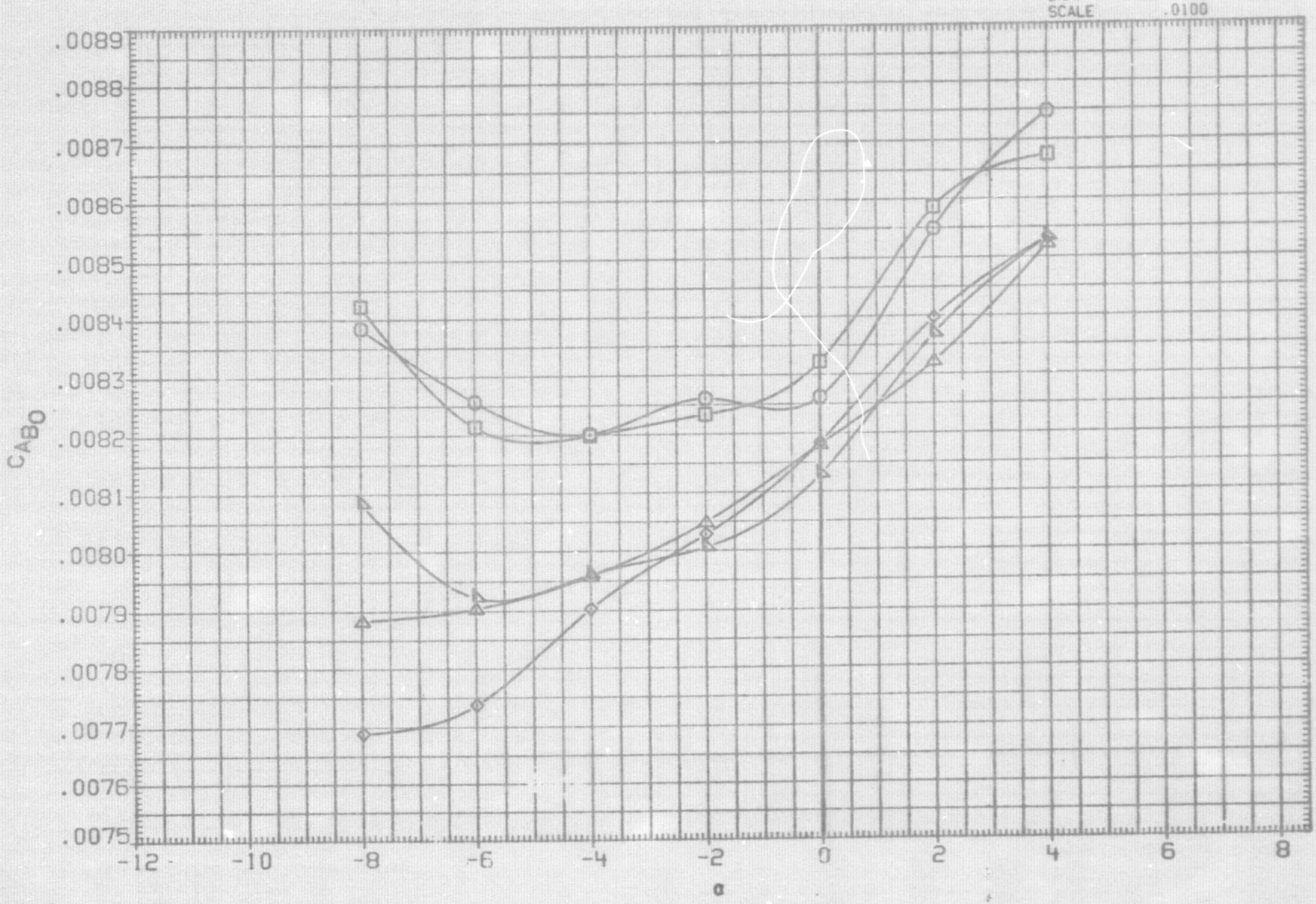


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW826	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	.000	.000	.000
MJW827	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	.000	.000	.000
MJW828	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	.000	.000	.000
MJW829	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	.000	.000	.000
MJW830	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

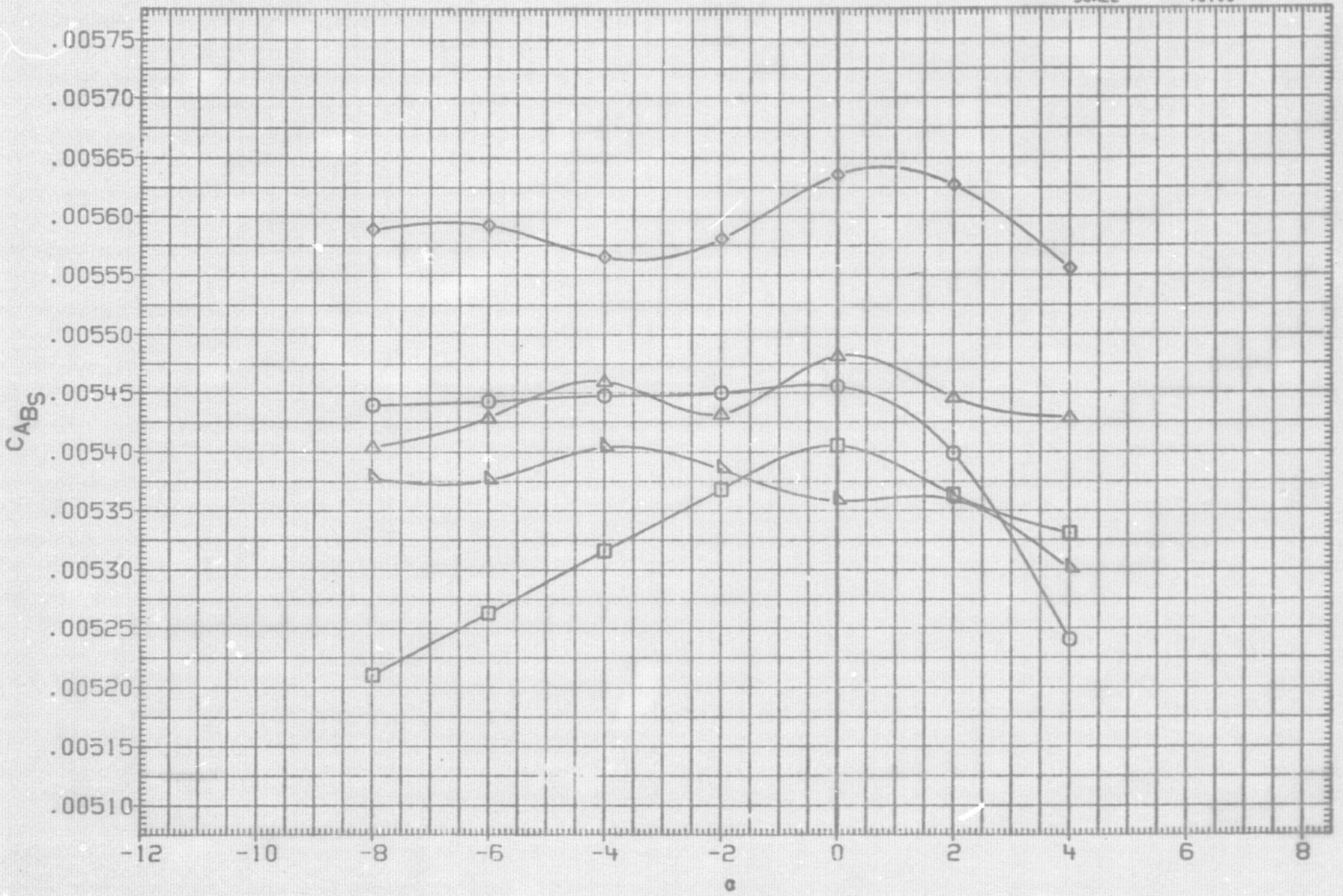


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB26	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	.000	.000	.000
MJWB27	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	.000	.000	.000
MJWB28	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	.000	.000	.000
MJWB29	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	.000	.000	.000
MJWB30	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1260.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

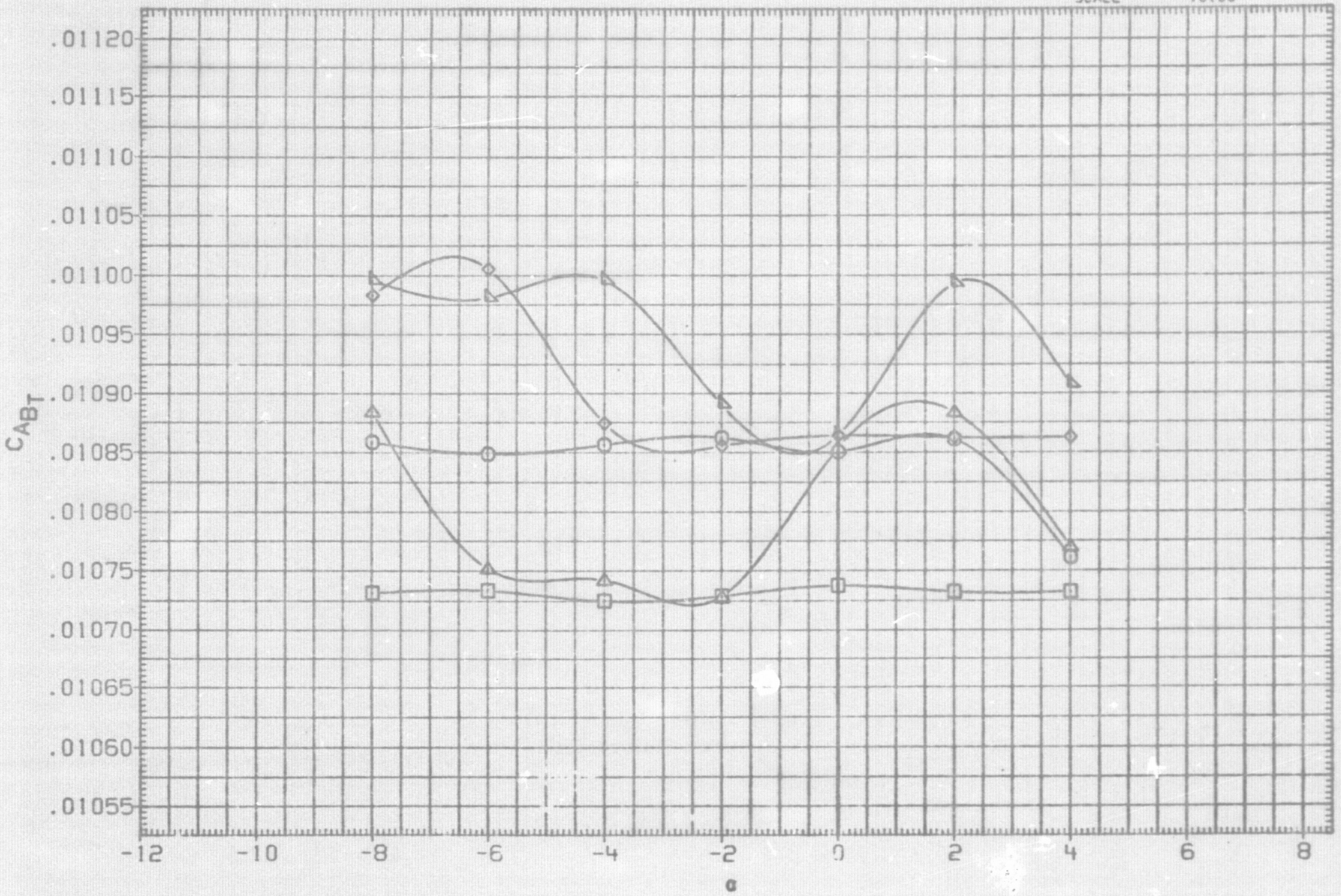


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

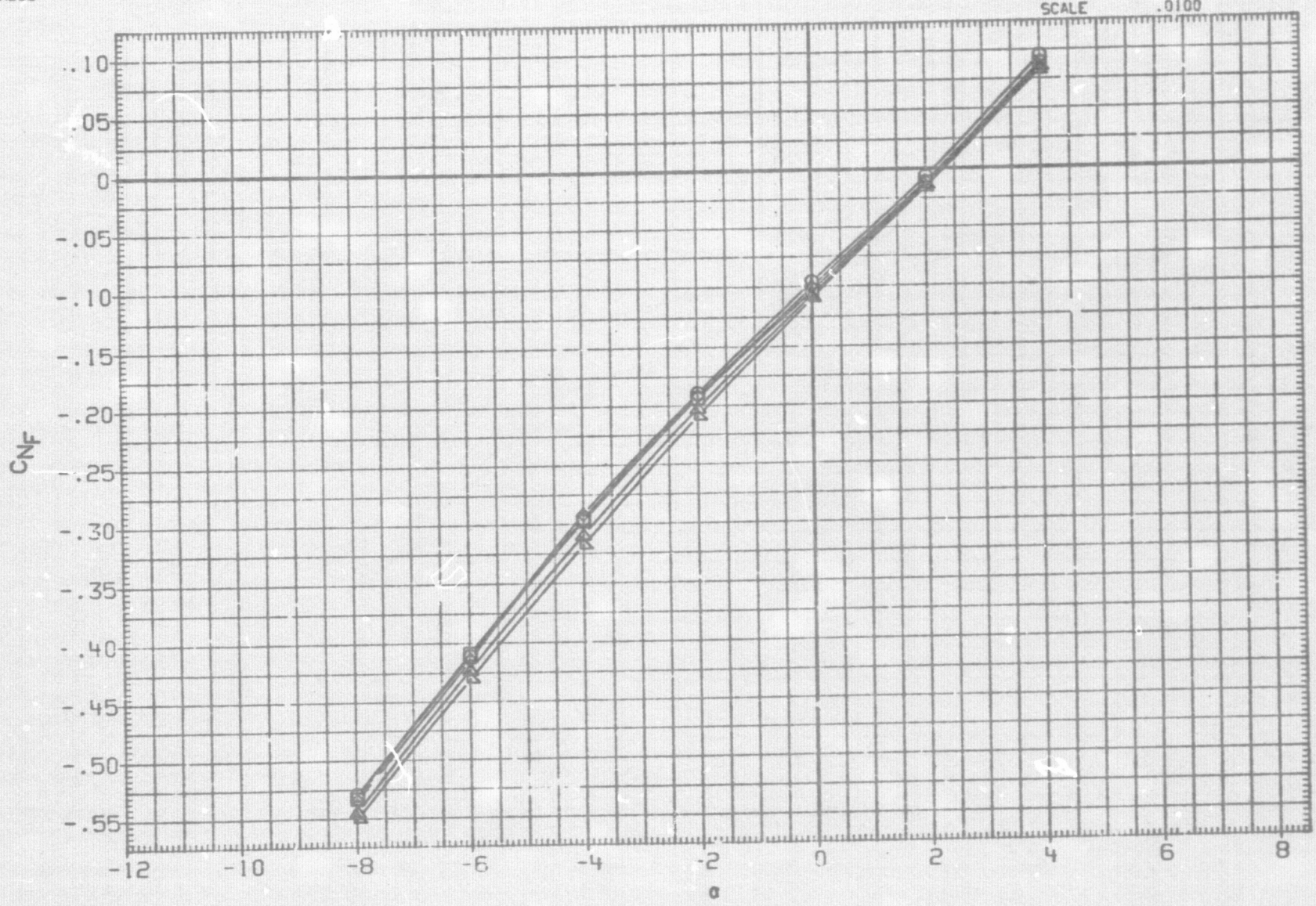


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

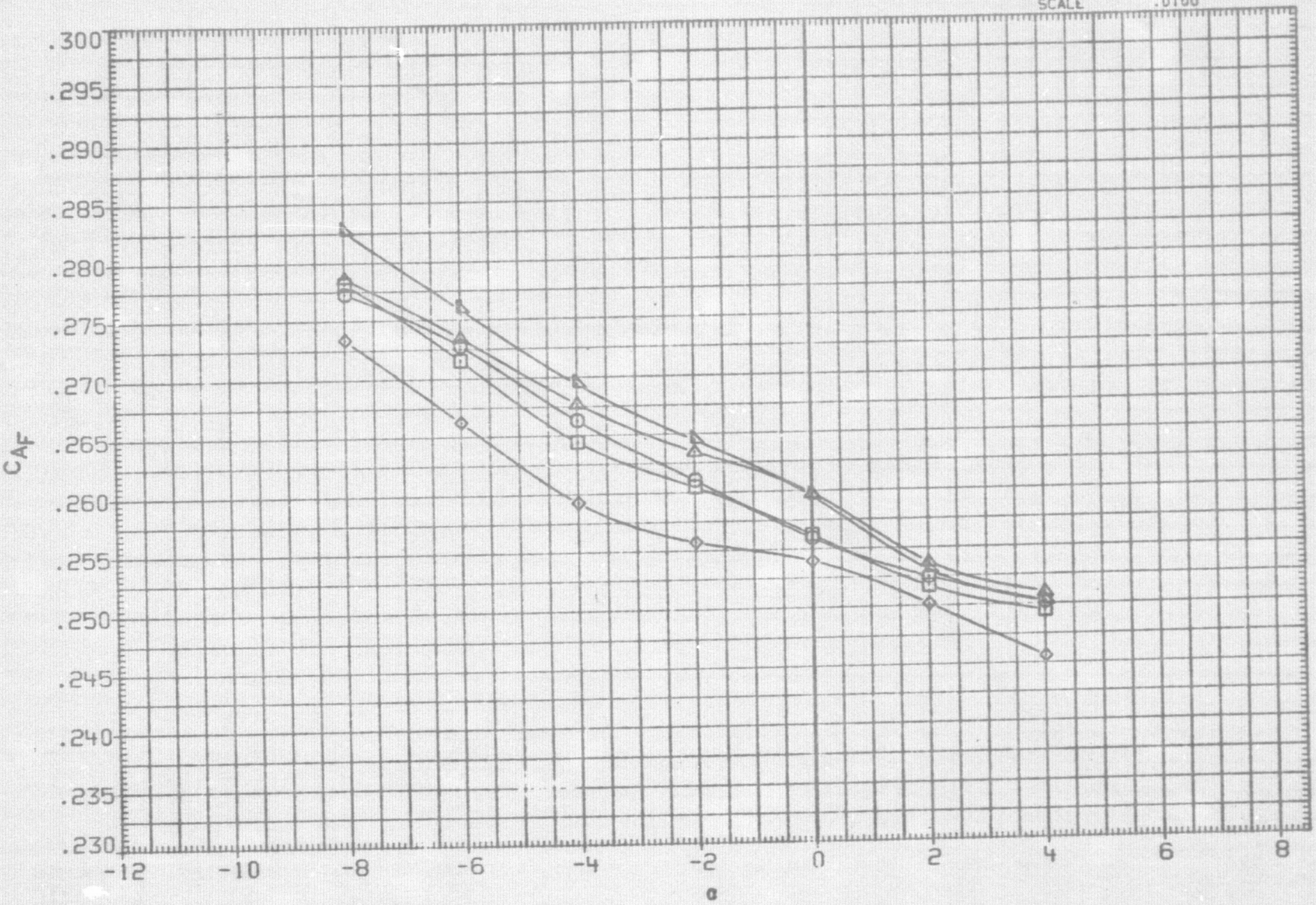


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

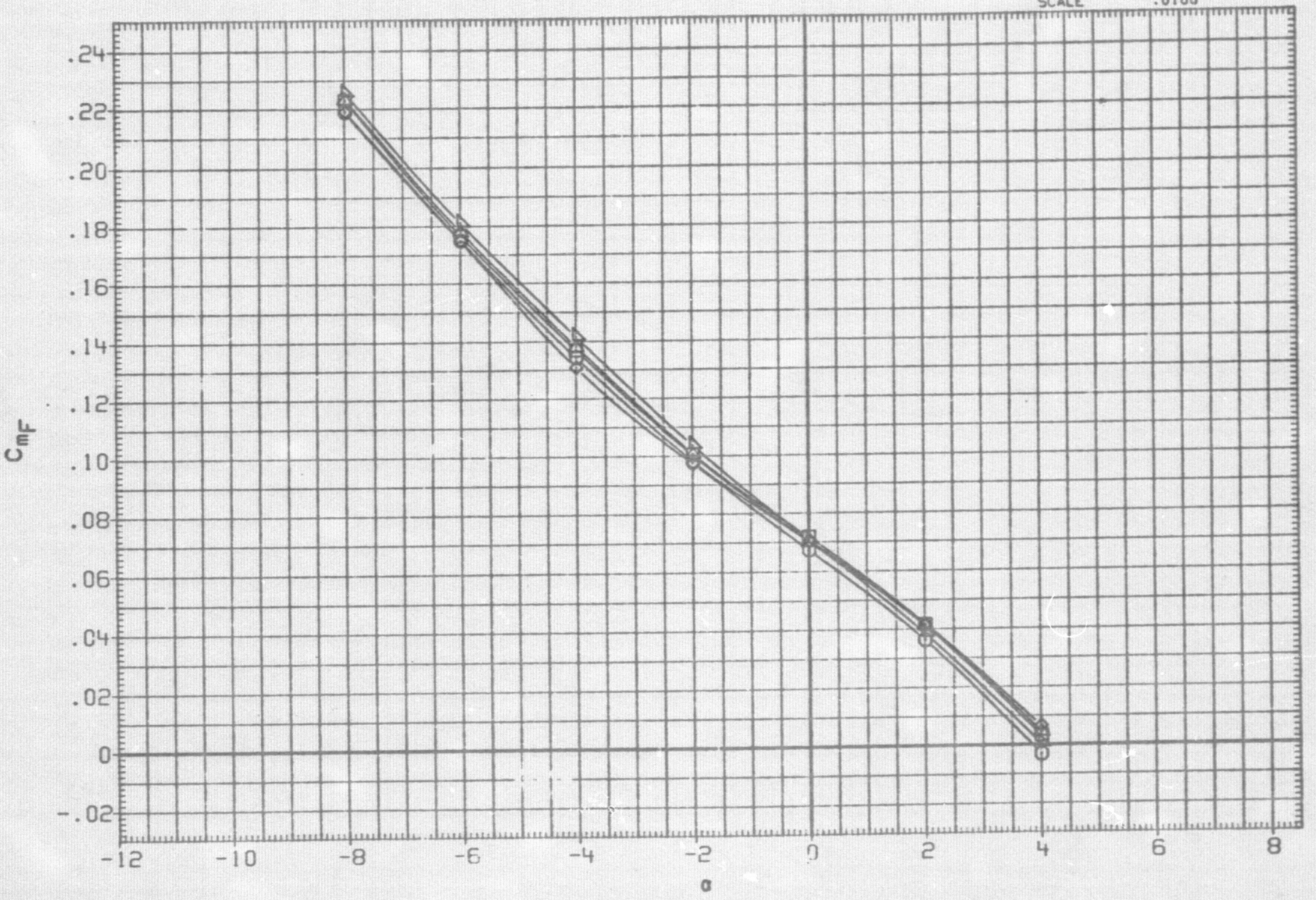


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

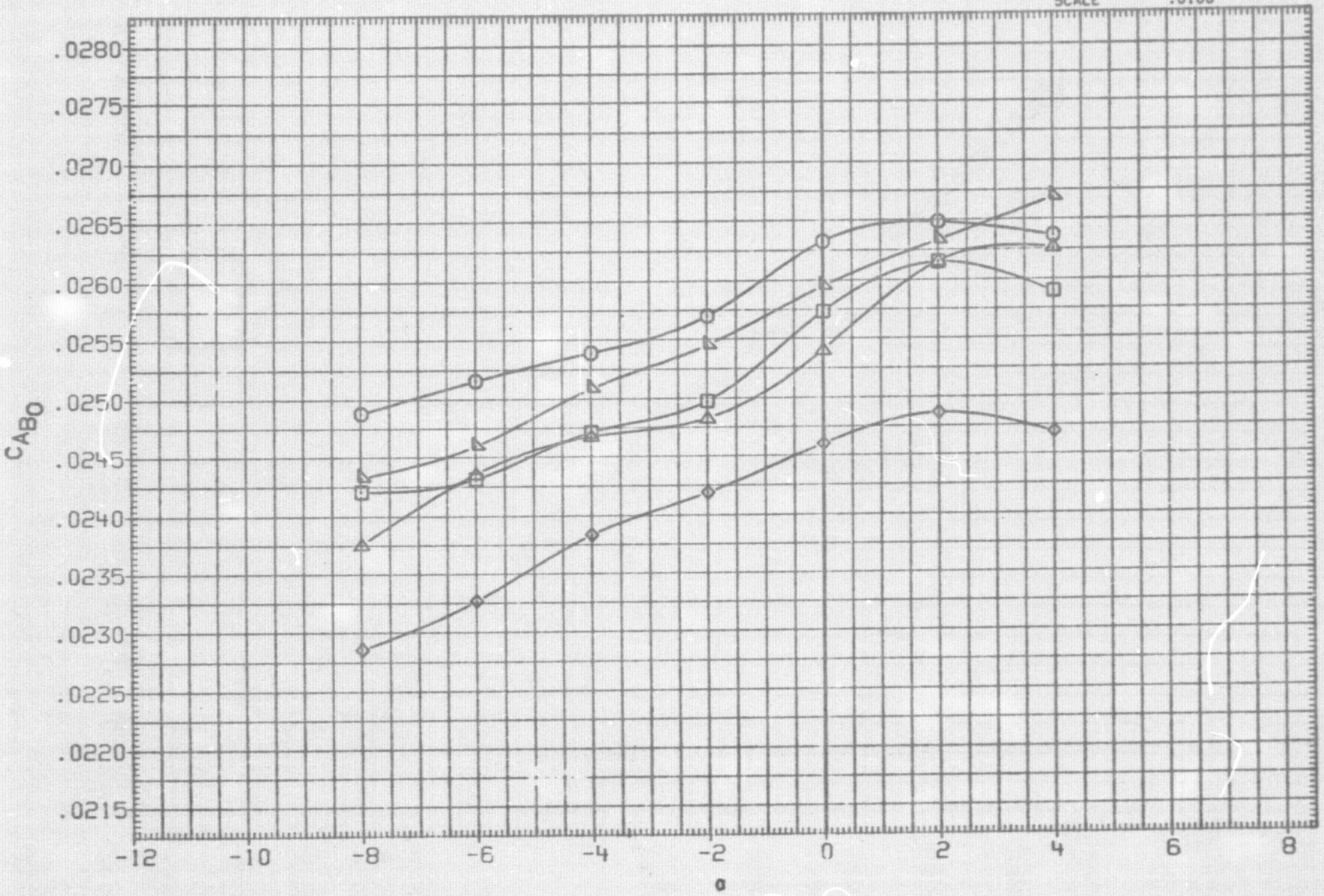


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

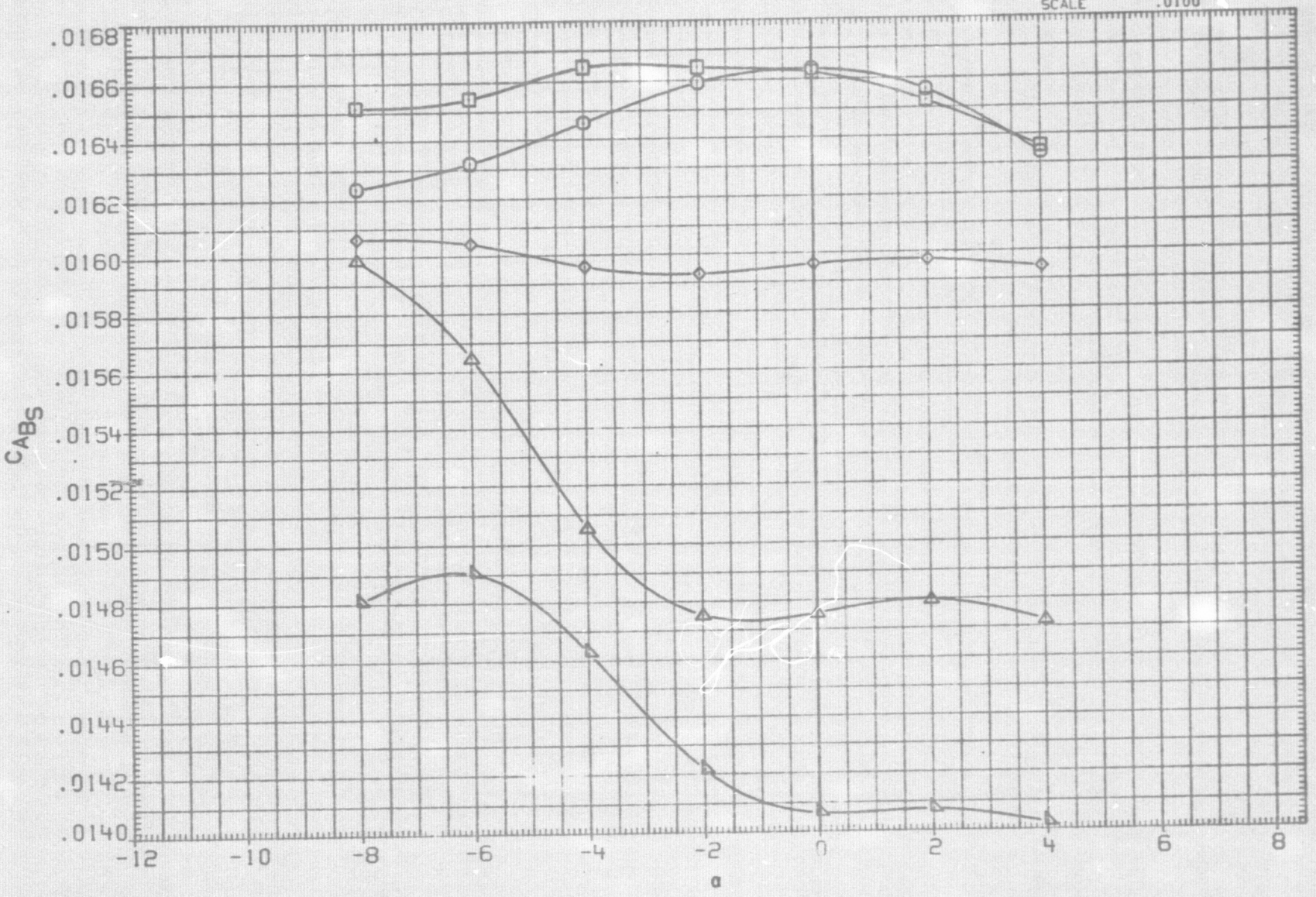


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(IA948) OTSAT130
MJWB33	□	LARC UPWT 1177(IA948) OTSAT130
MJWB34	◇	LARC UPWT 1177(IA948) OTSAT130
MJWB35	△	LARC UPWT 1177(IA948) OTSAT130
MJWB36	◁	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

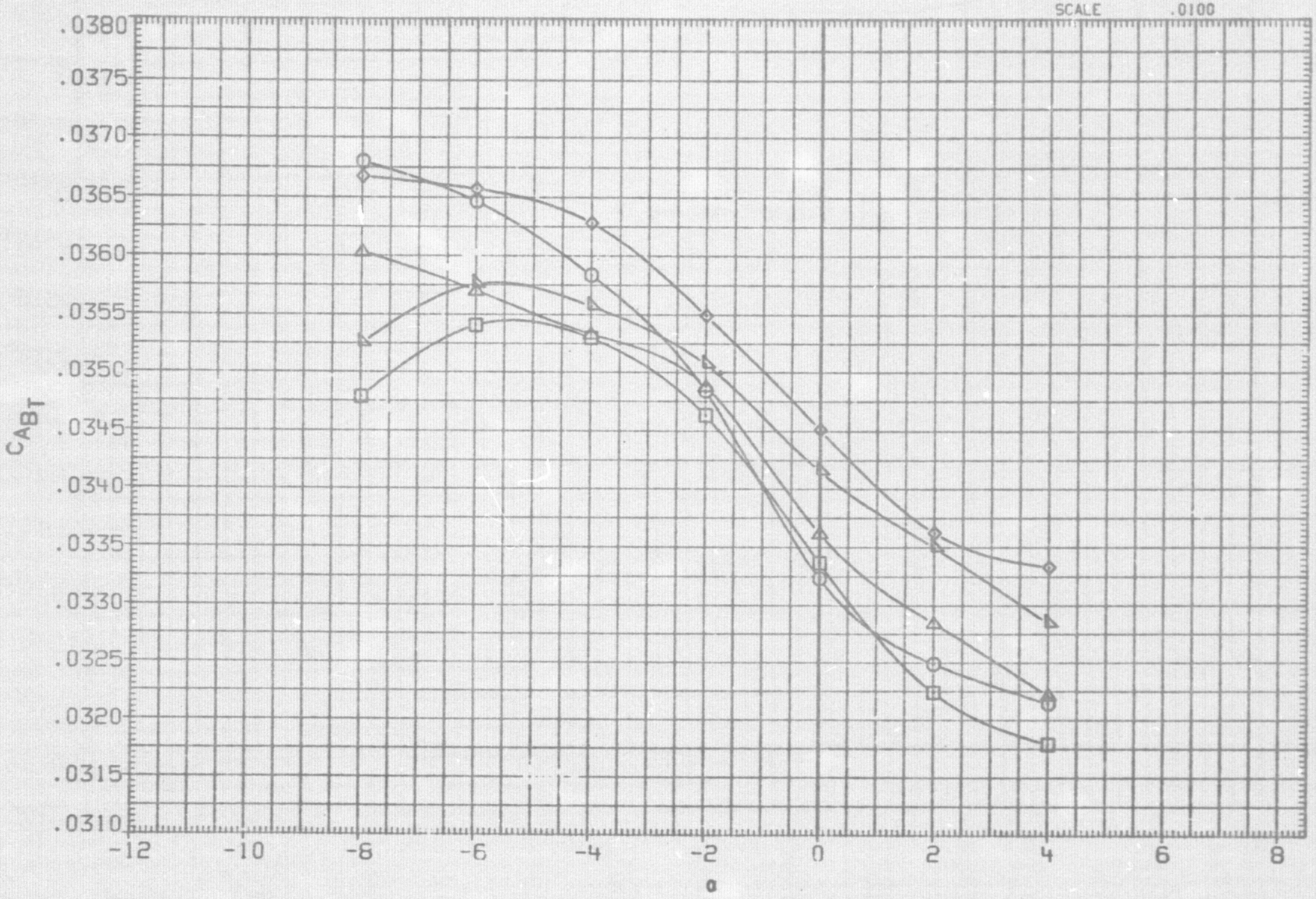


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

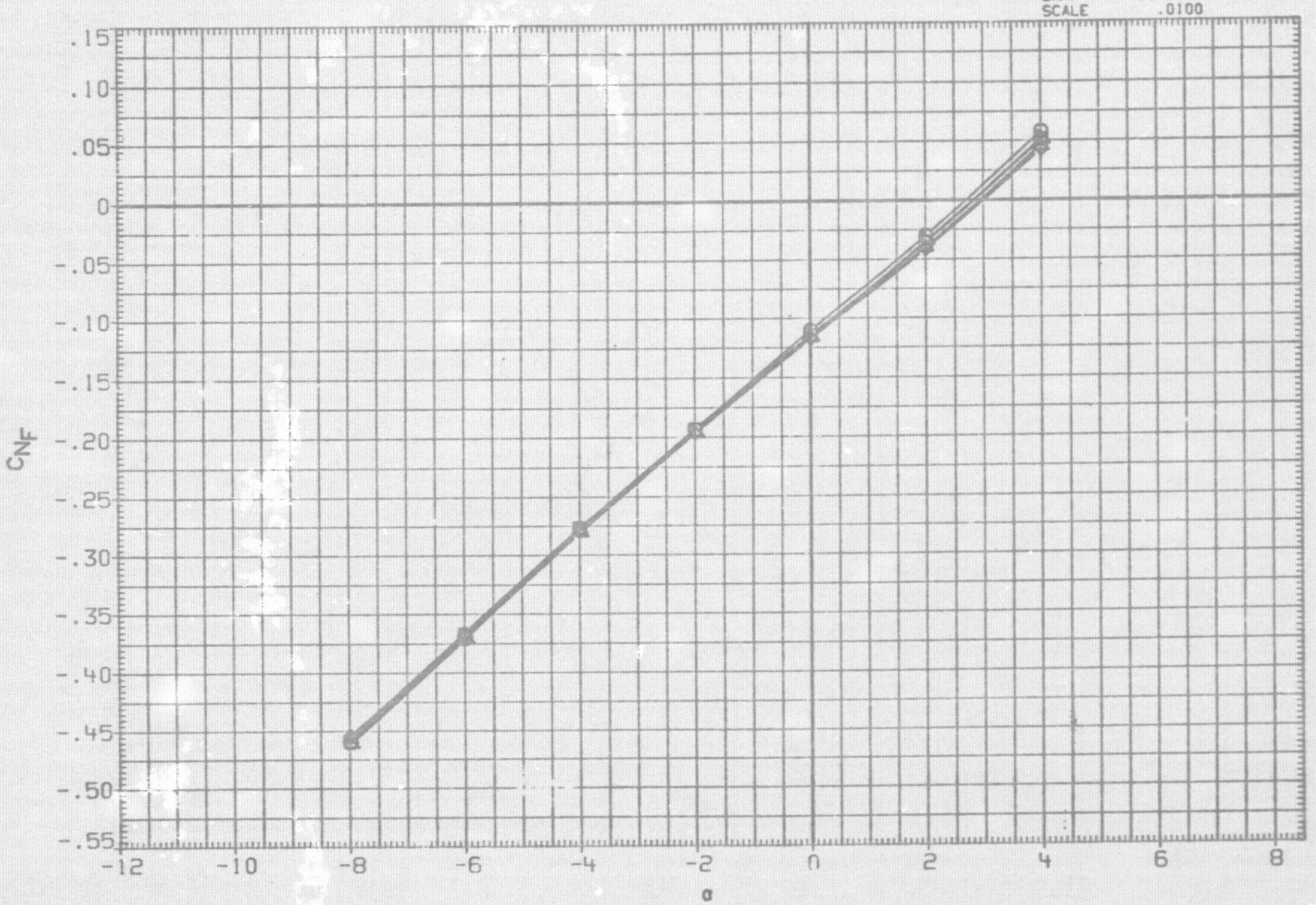


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

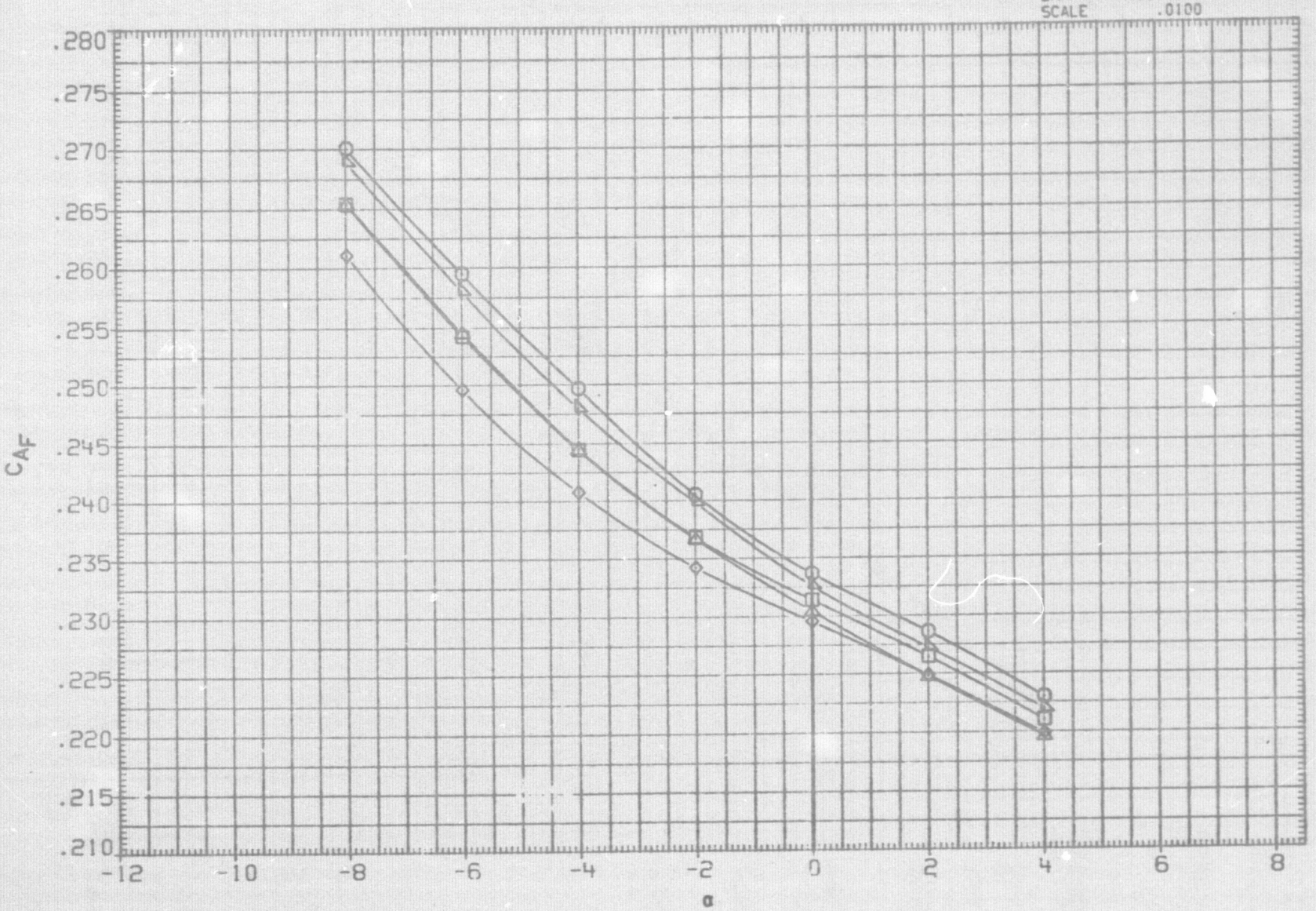


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

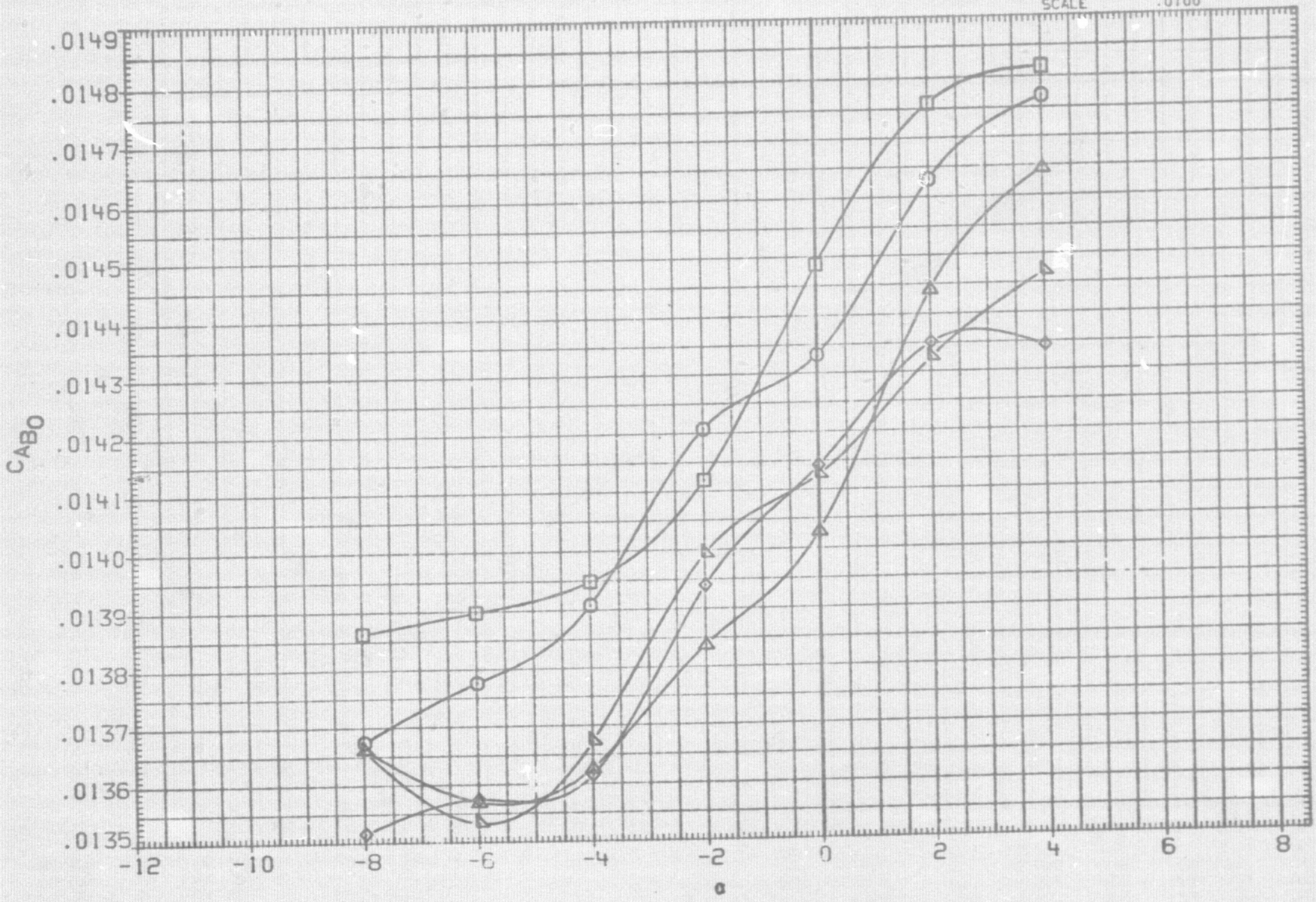


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

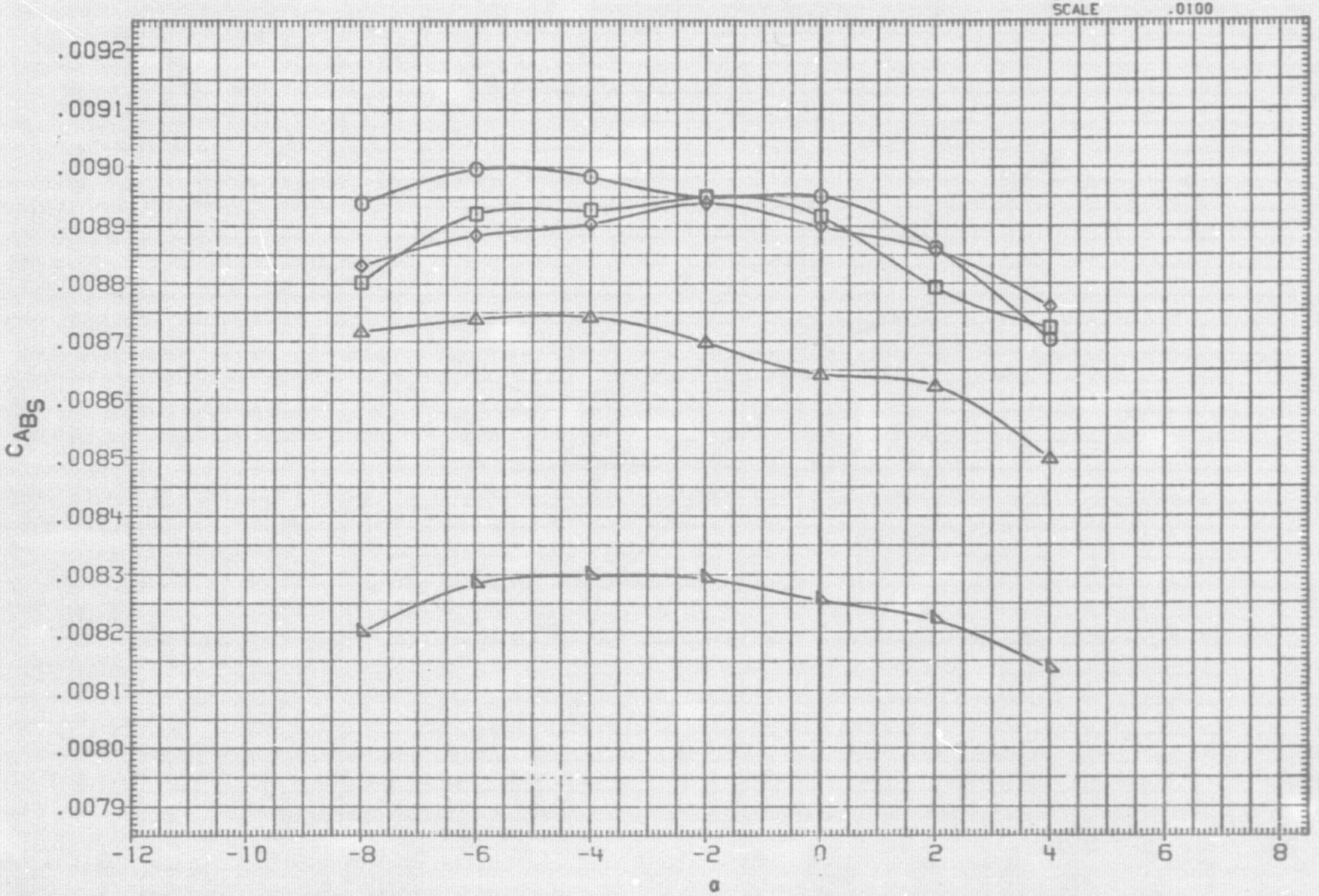


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

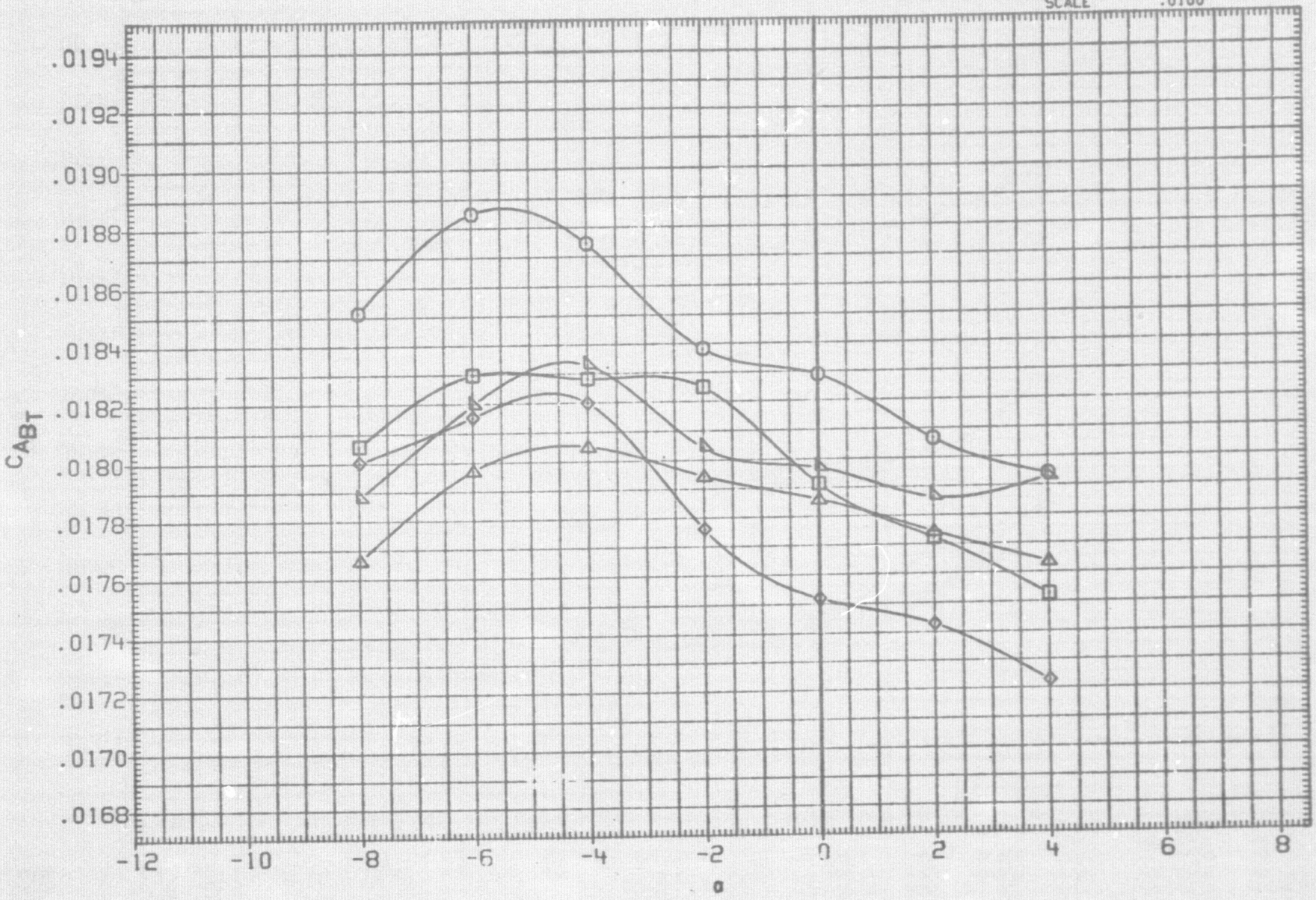


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

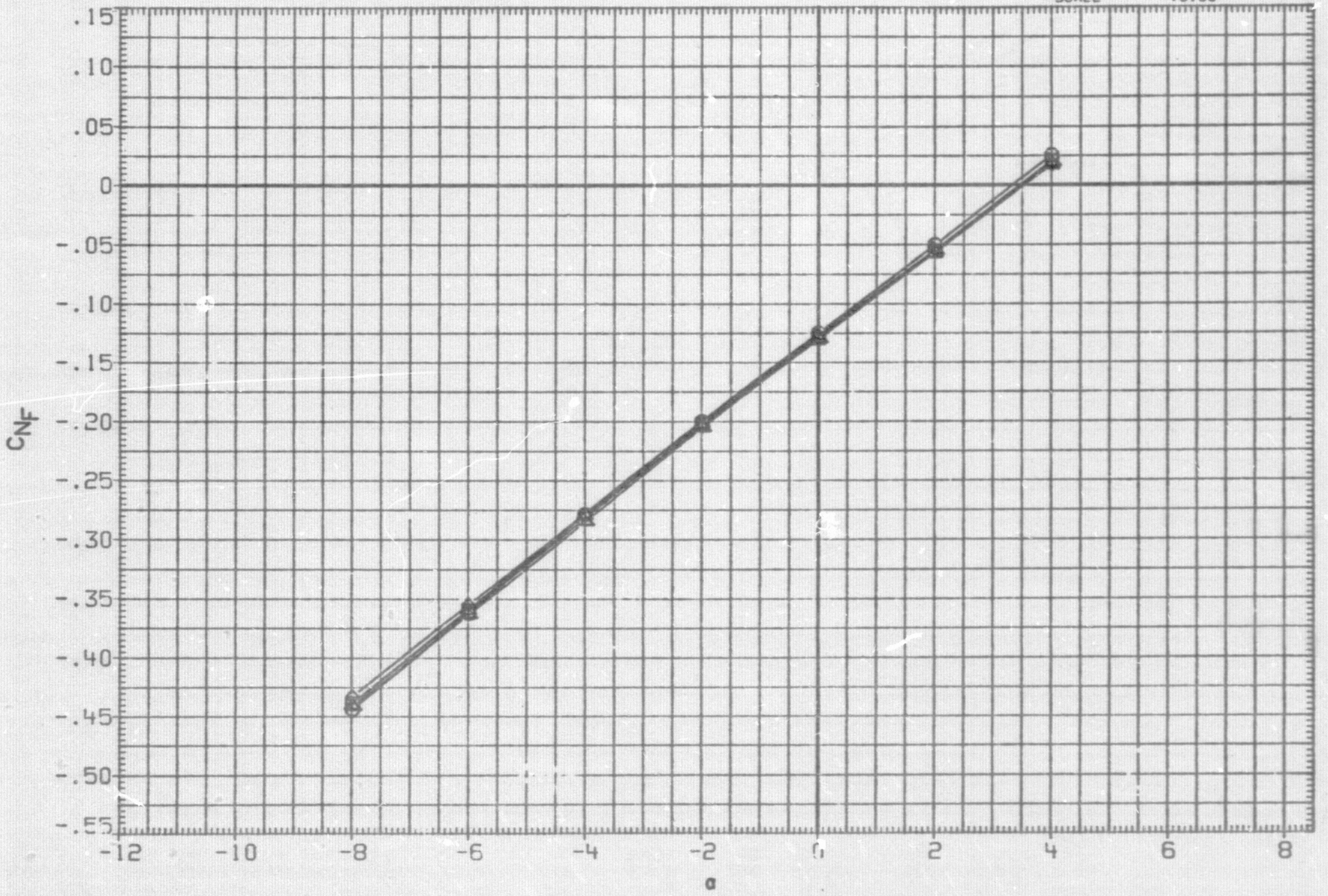


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

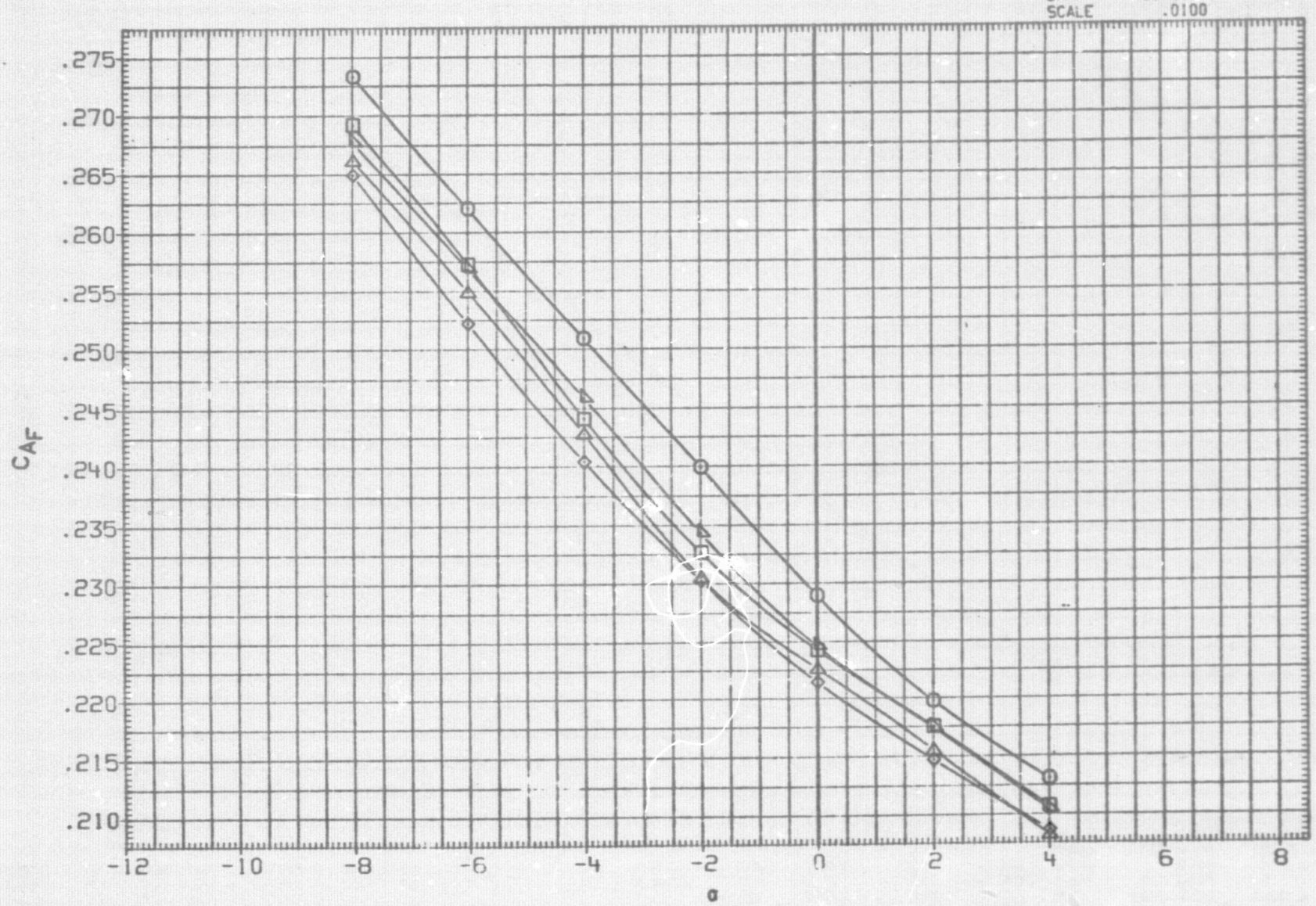


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

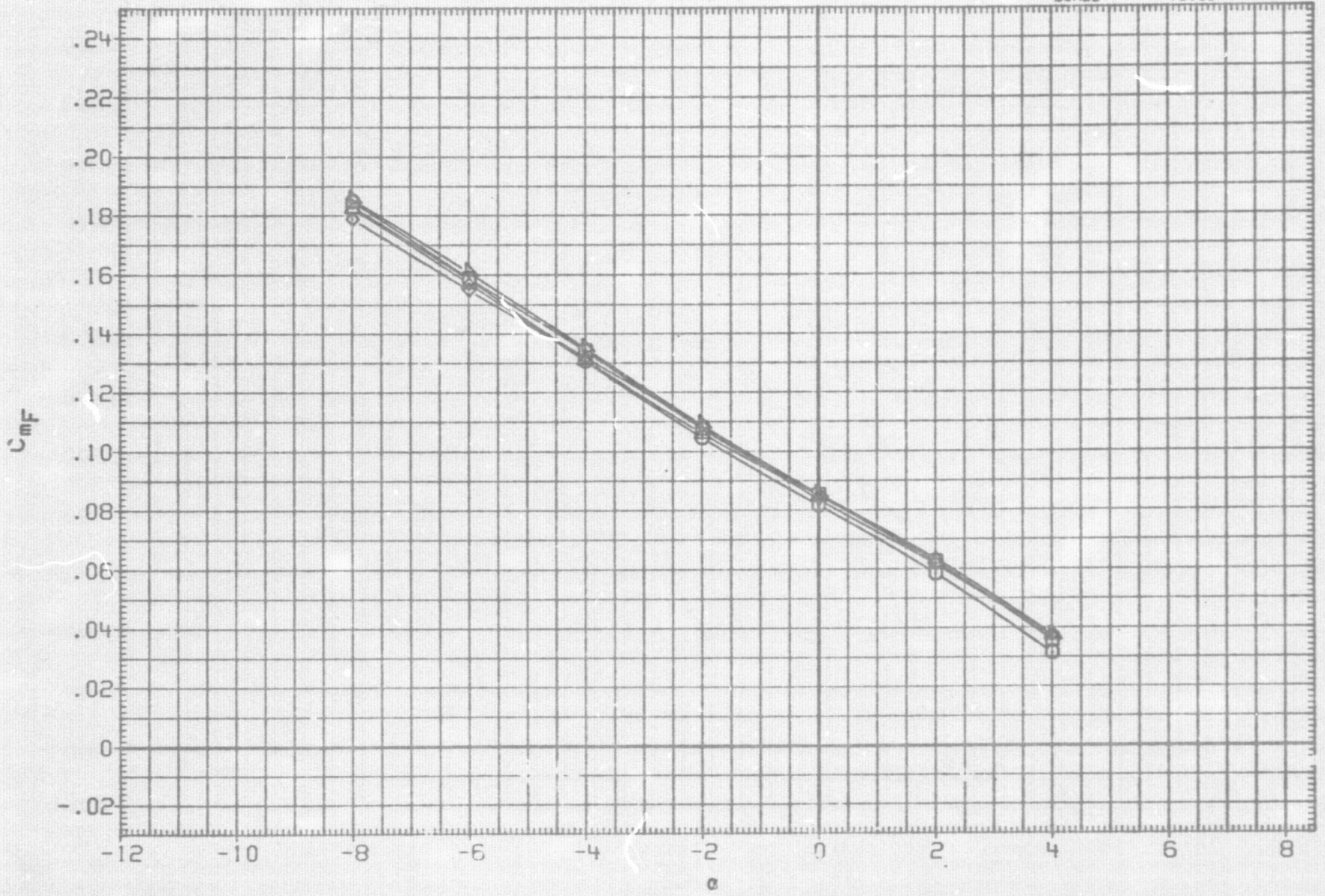


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW832	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJW833	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJW834	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJW835	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJW836	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

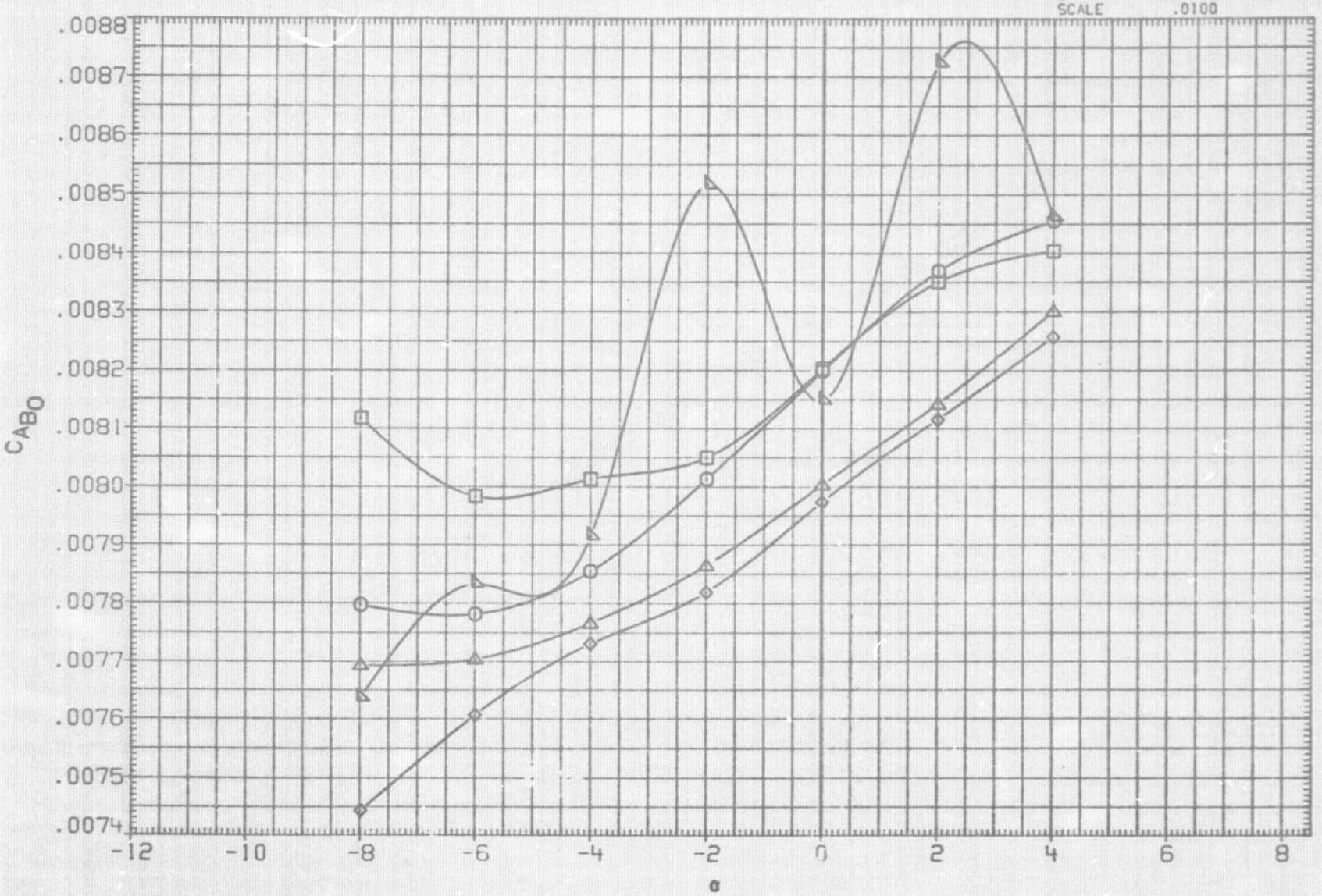


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

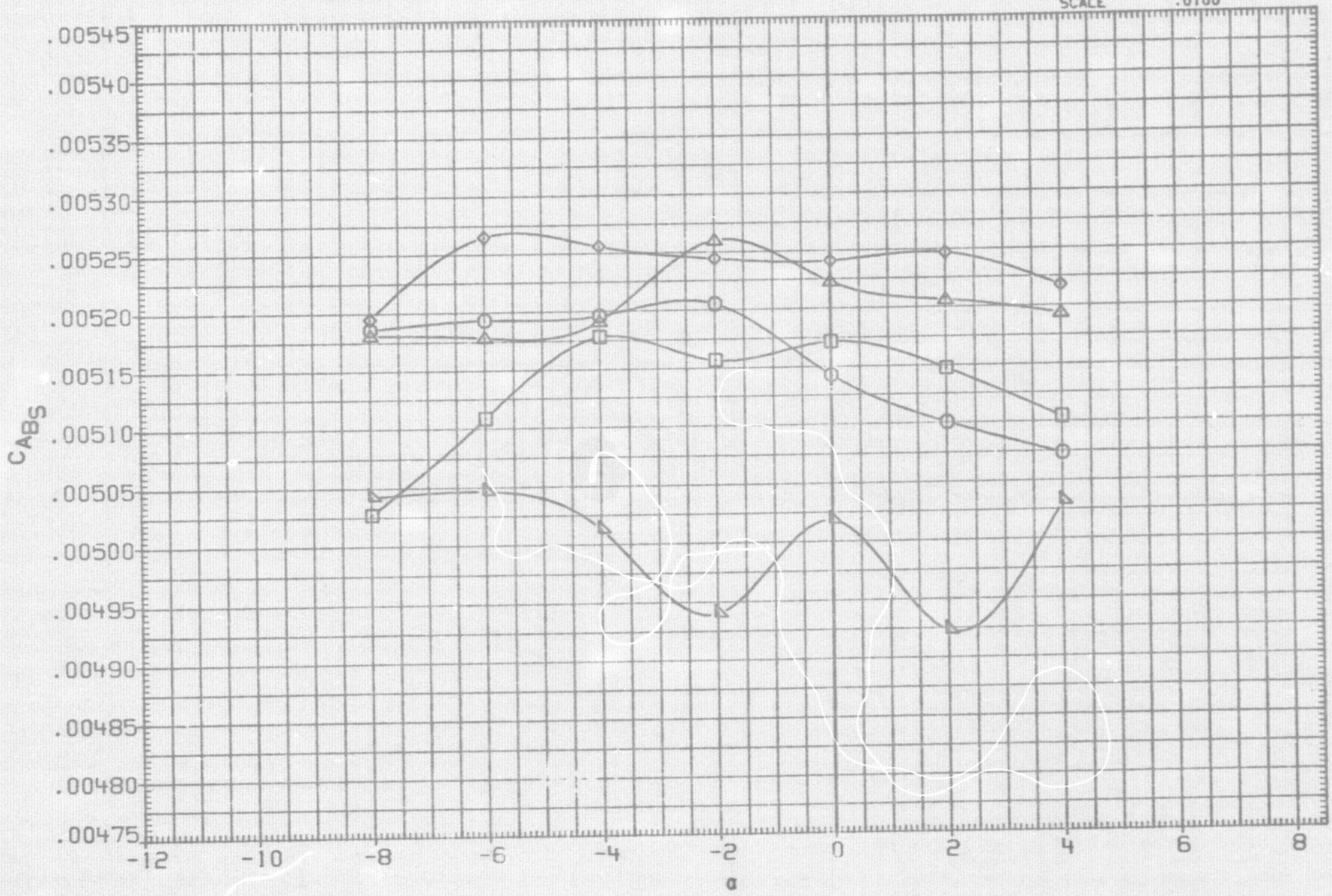


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB36	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-L1	ELV-LO	ELV-RI	ELV-PO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

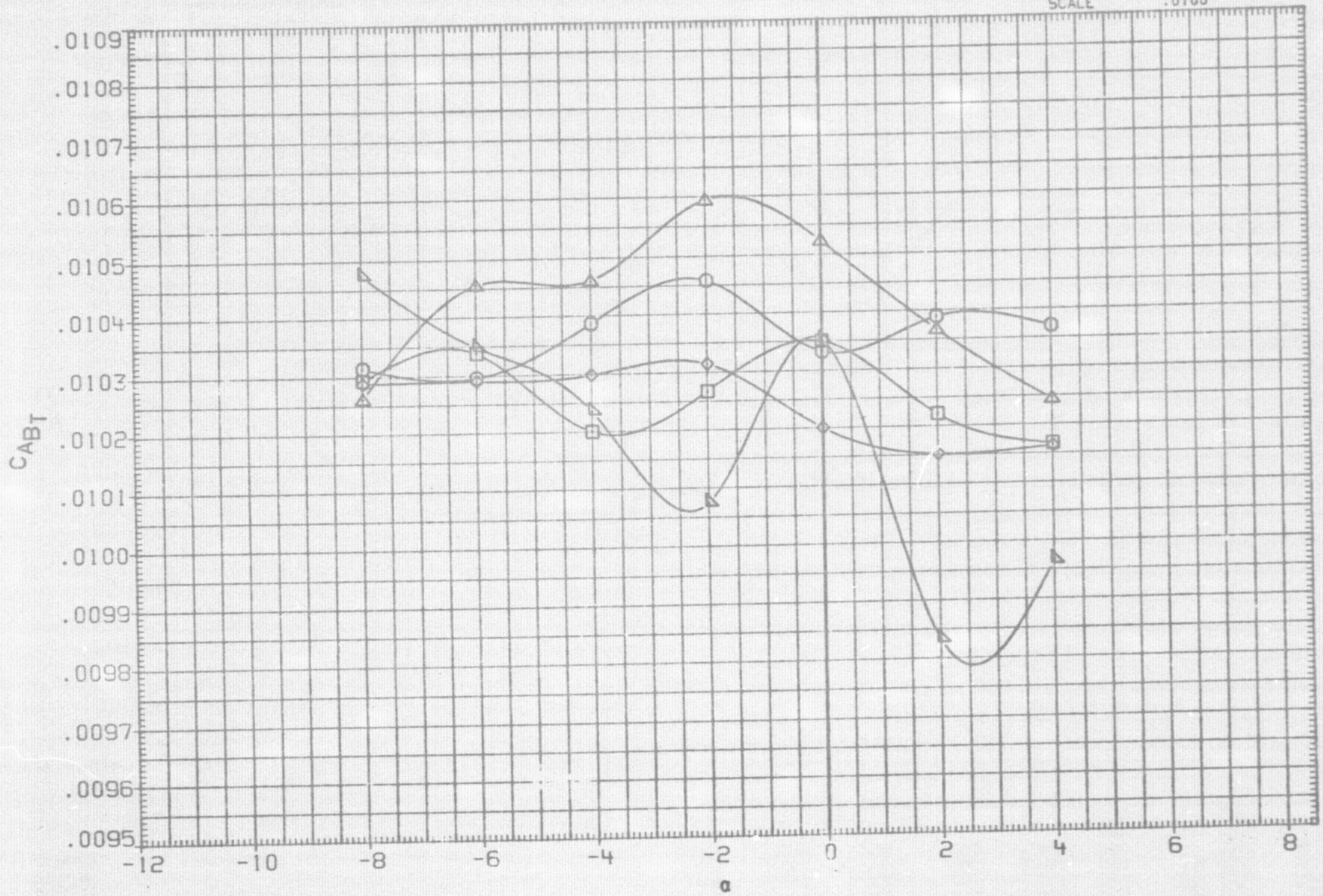


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB41	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

*REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

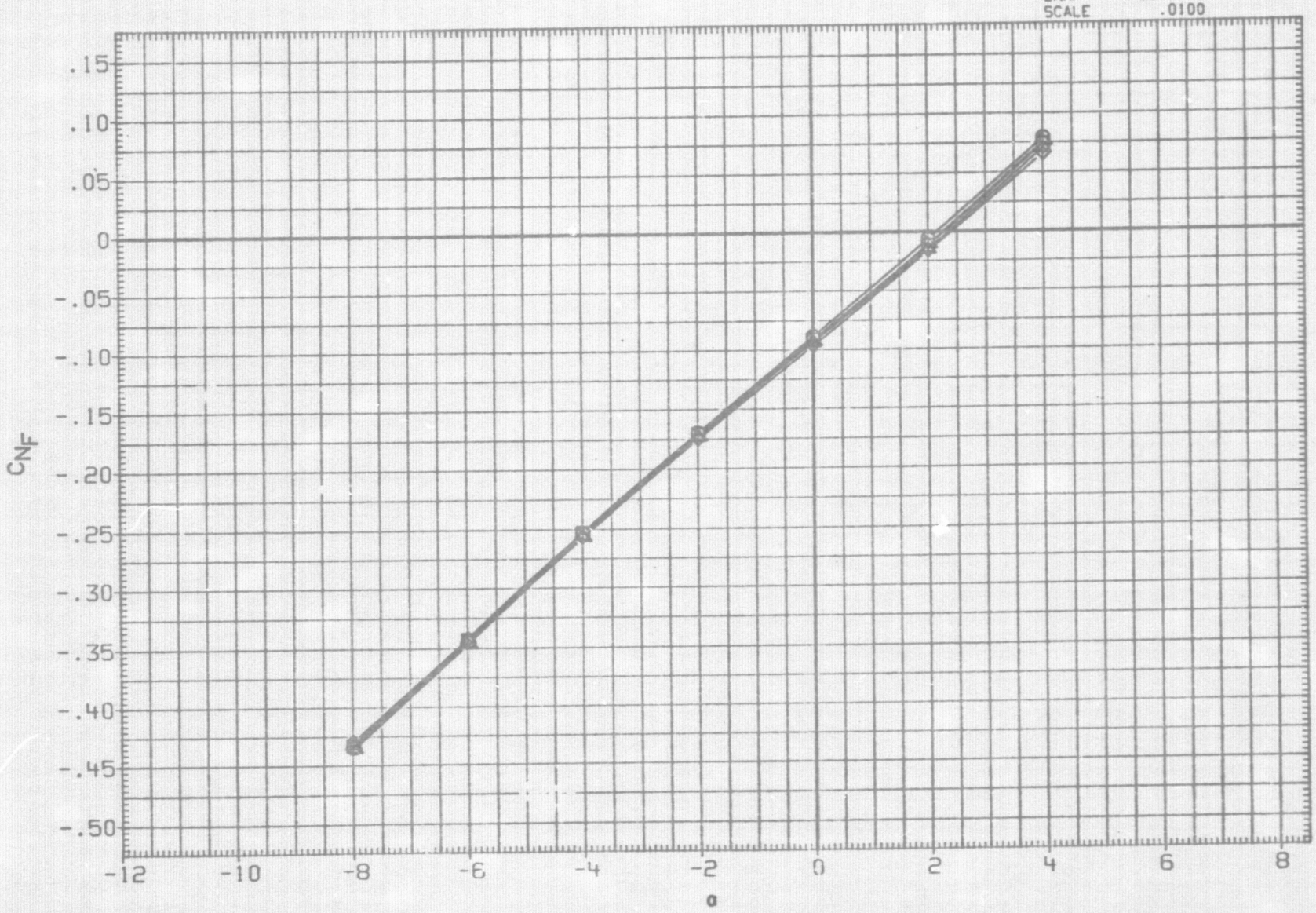


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

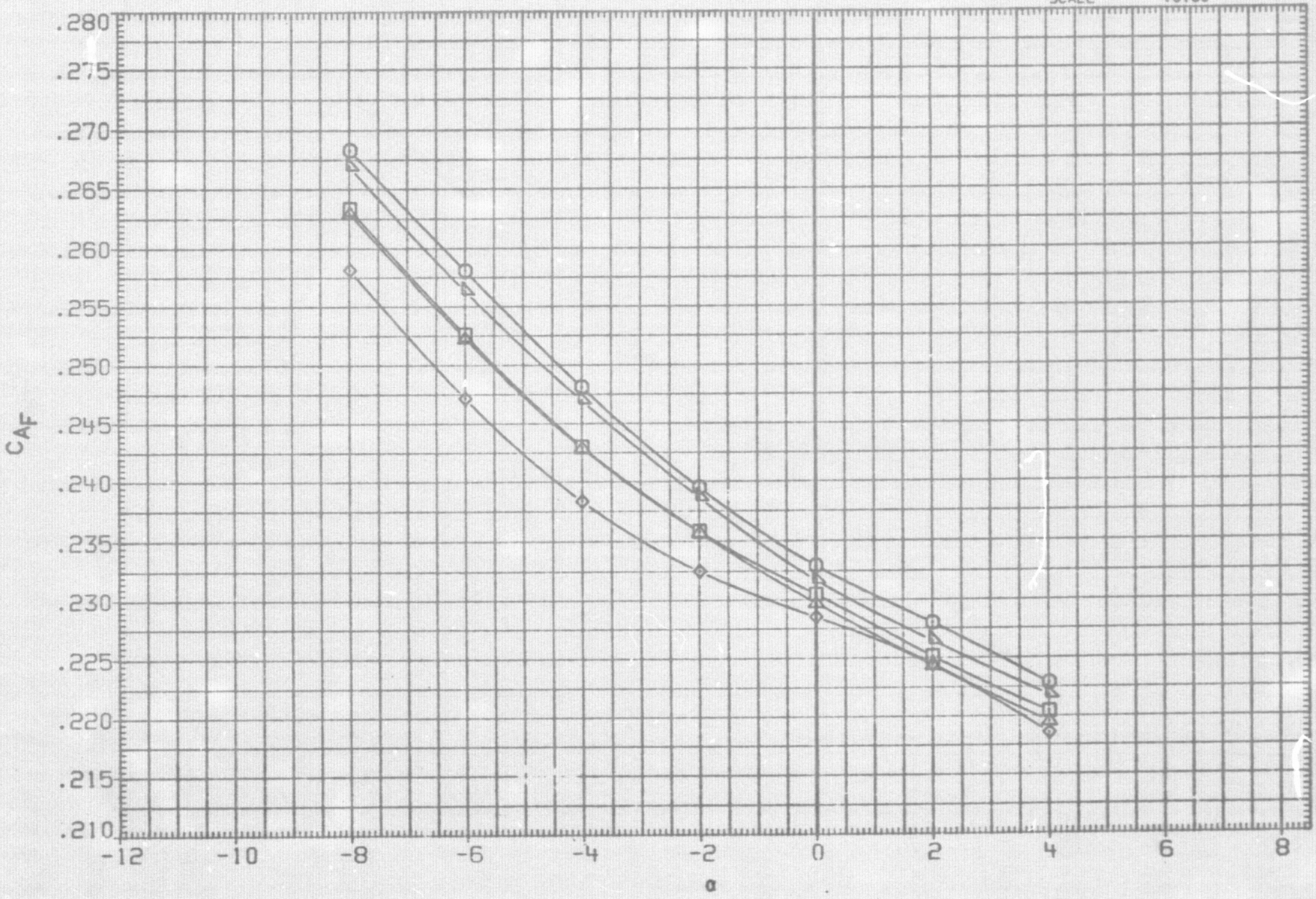


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW837	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJW838	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJW839	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	4.000	.000	4.000
MJW840	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJW841	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

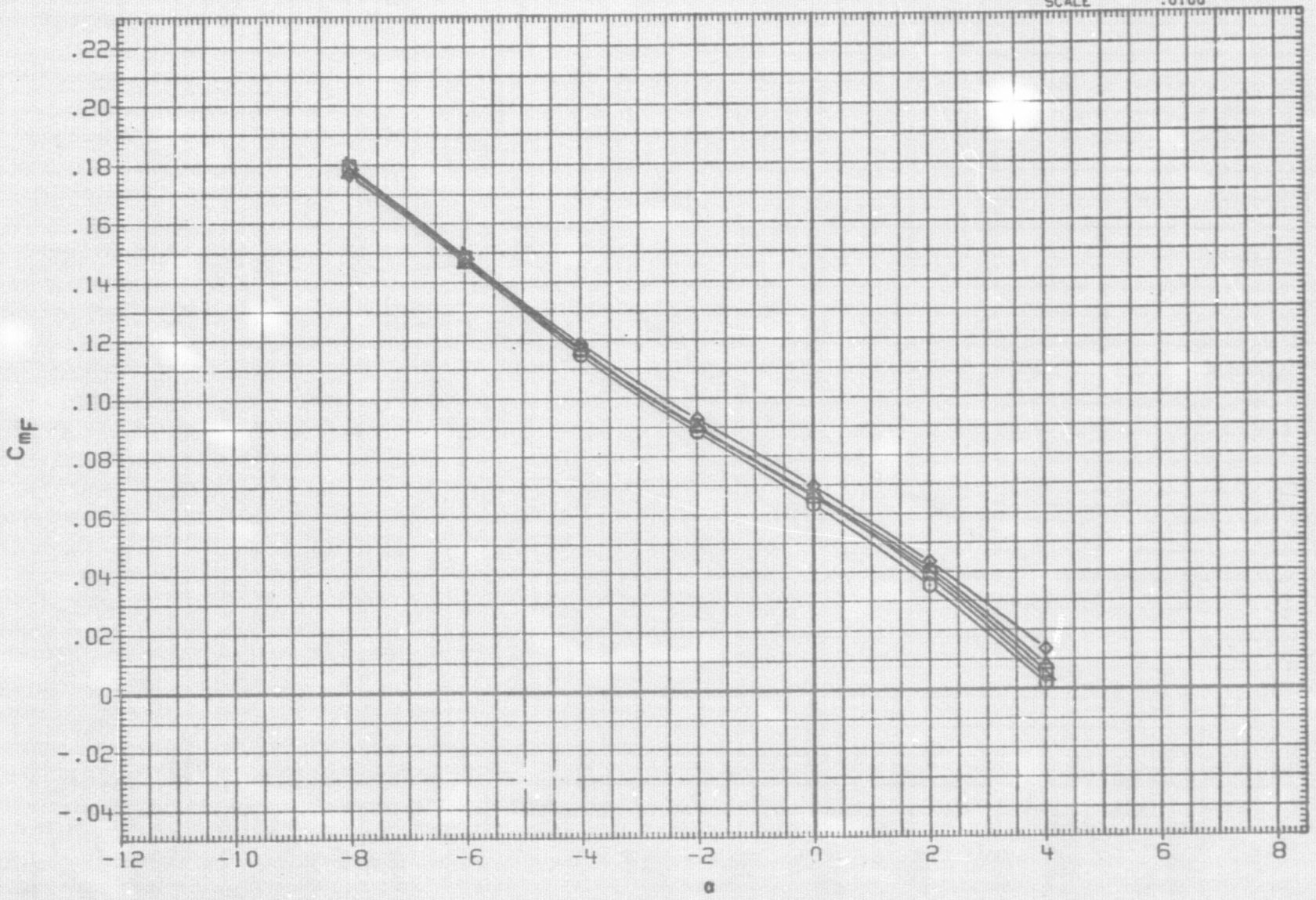


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

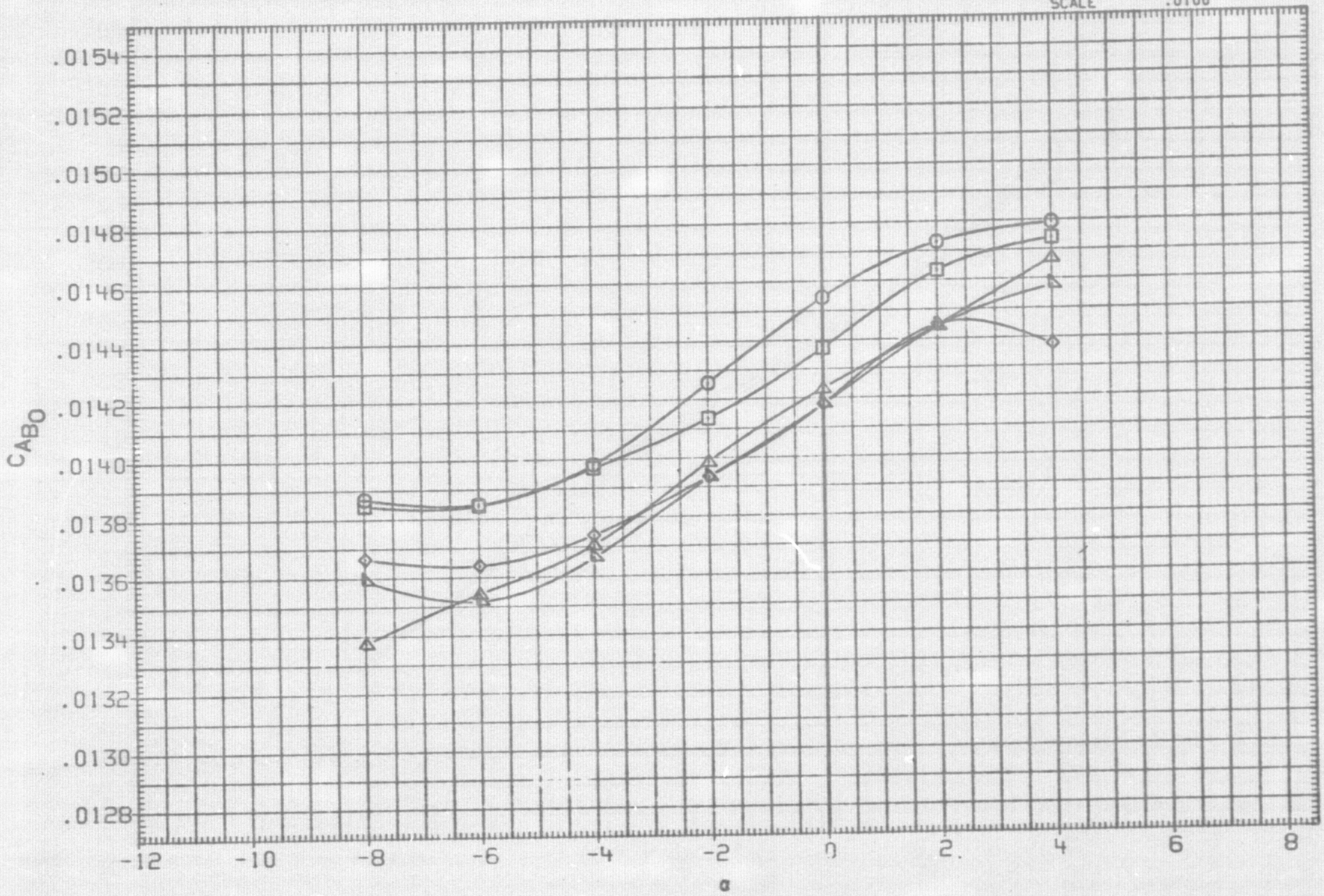


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB41	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

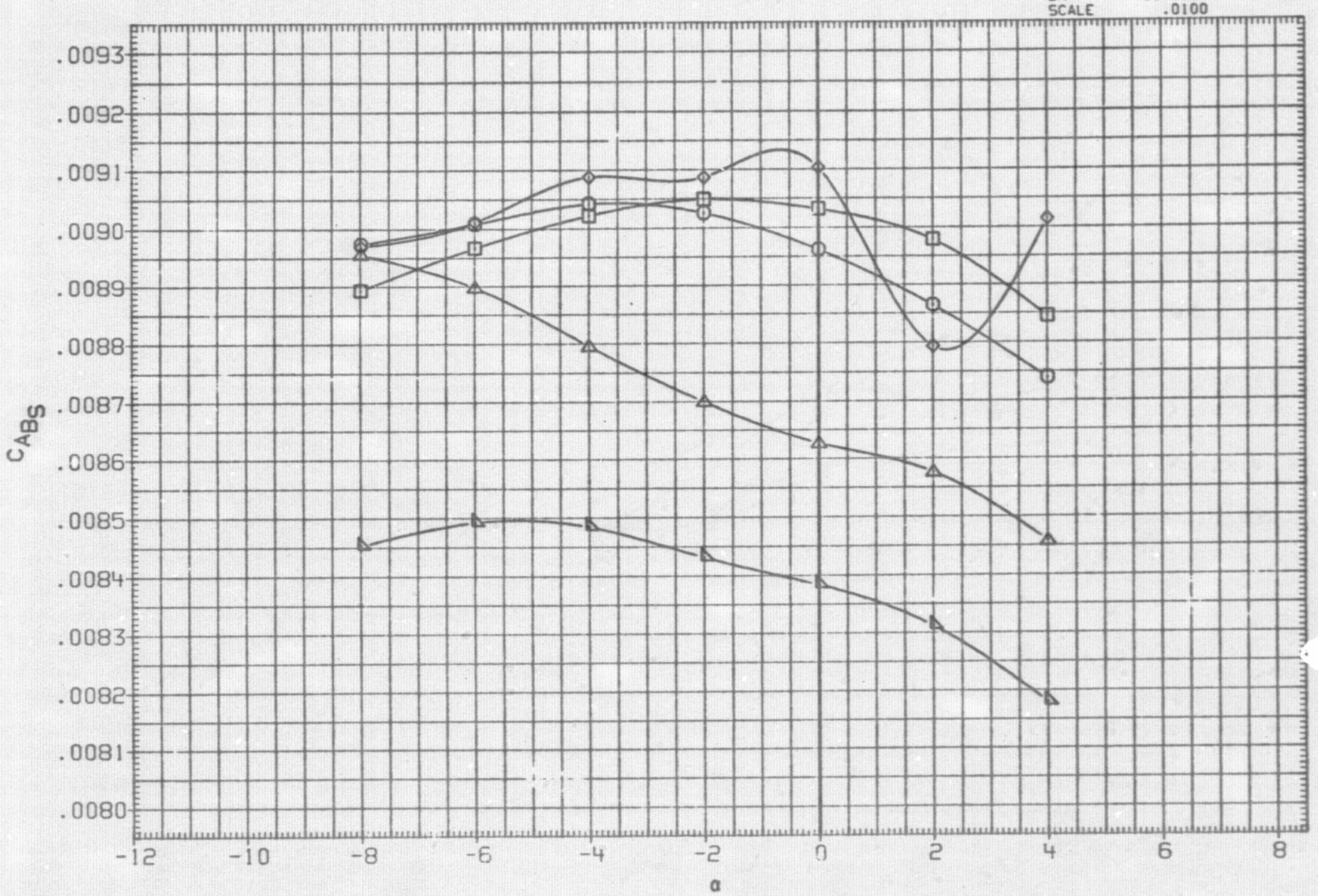


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB41	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

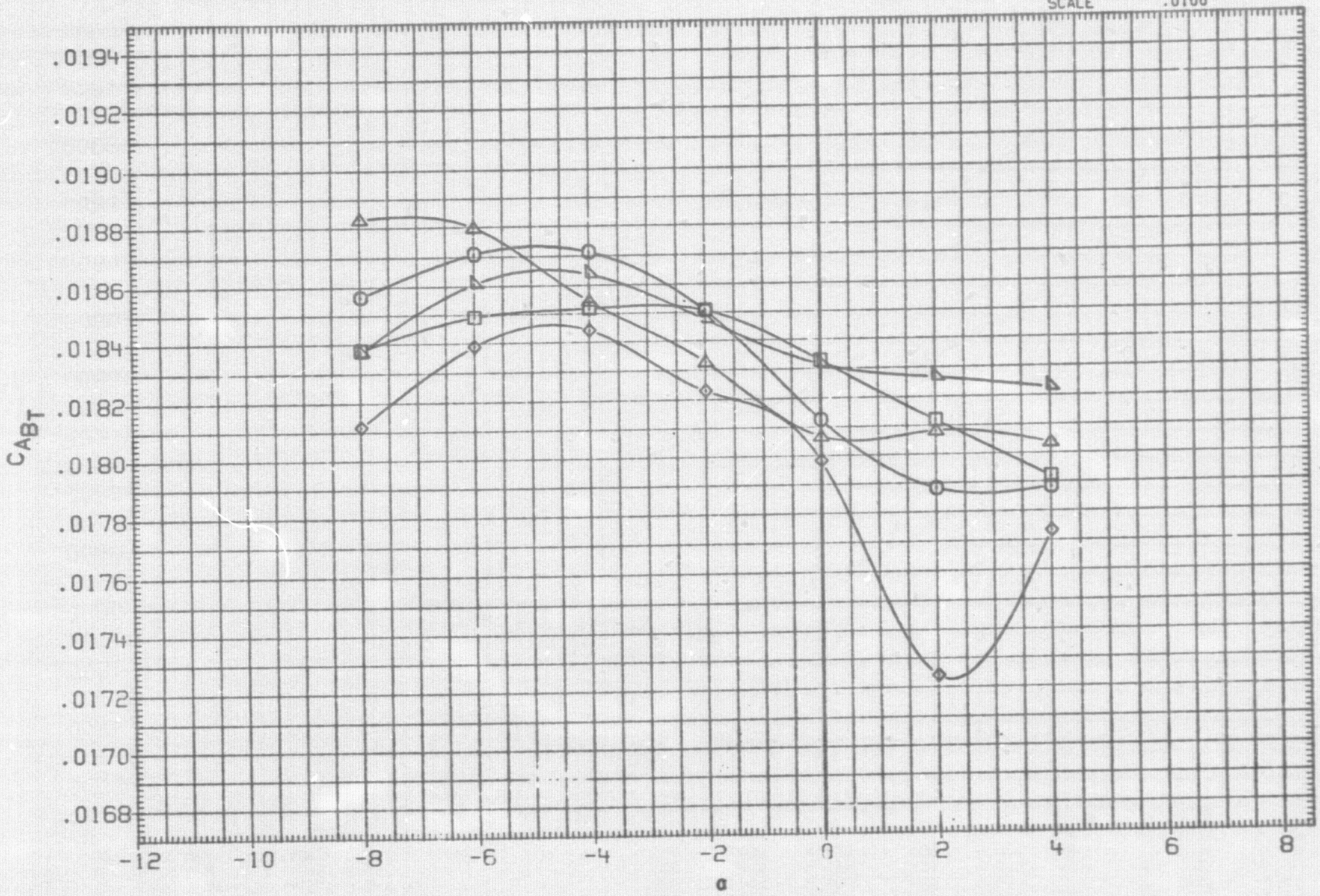


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

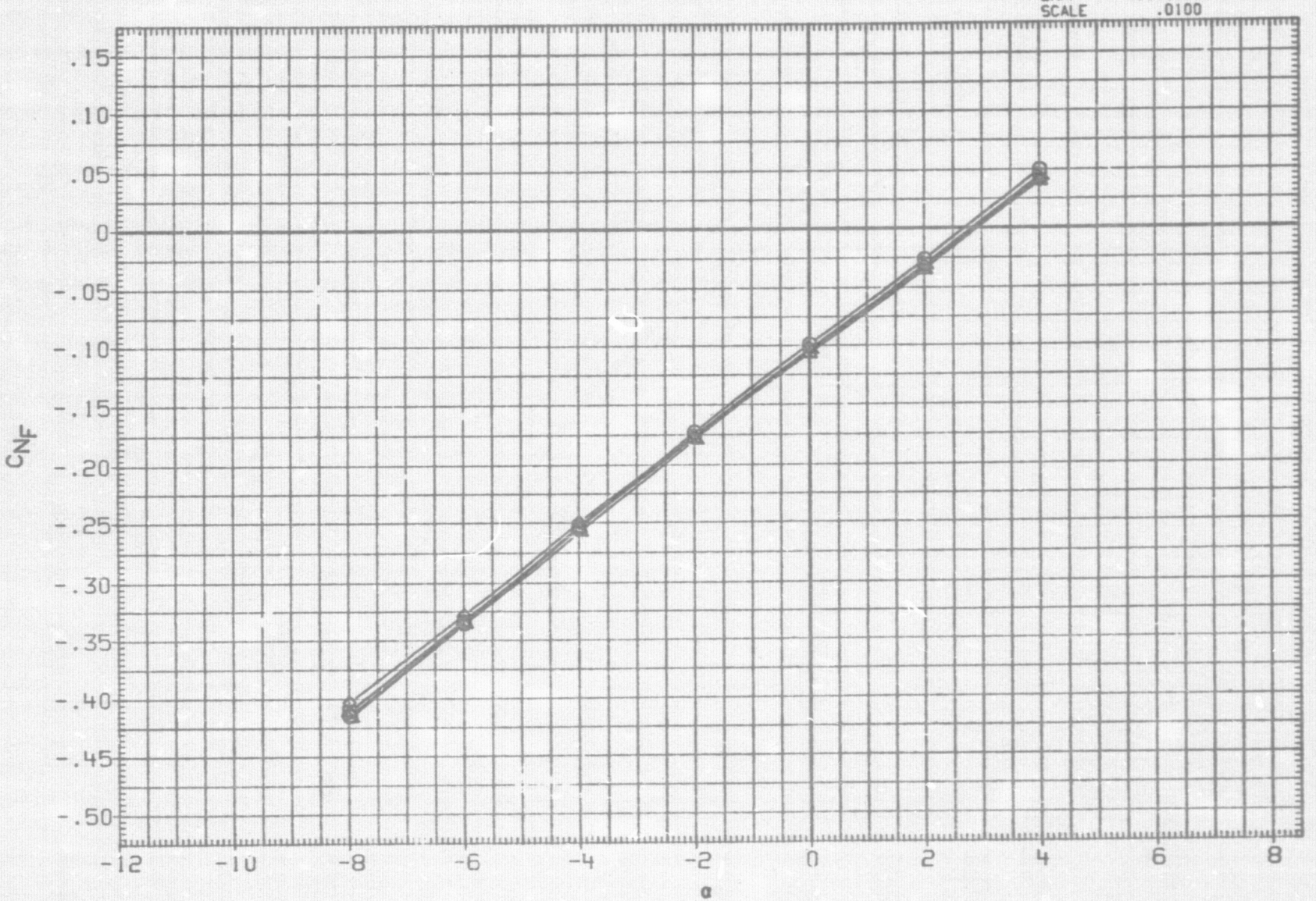


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB41	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

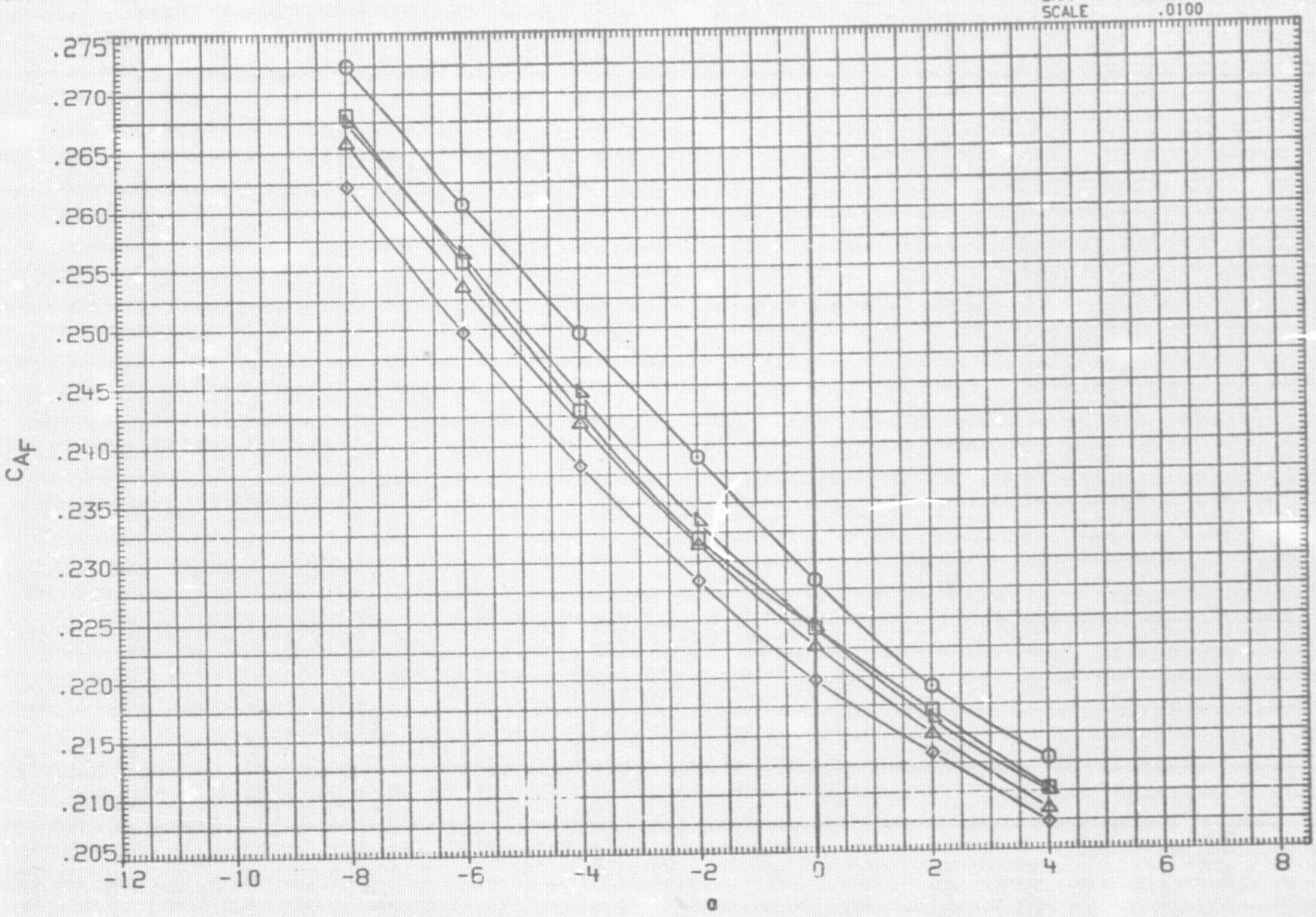


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

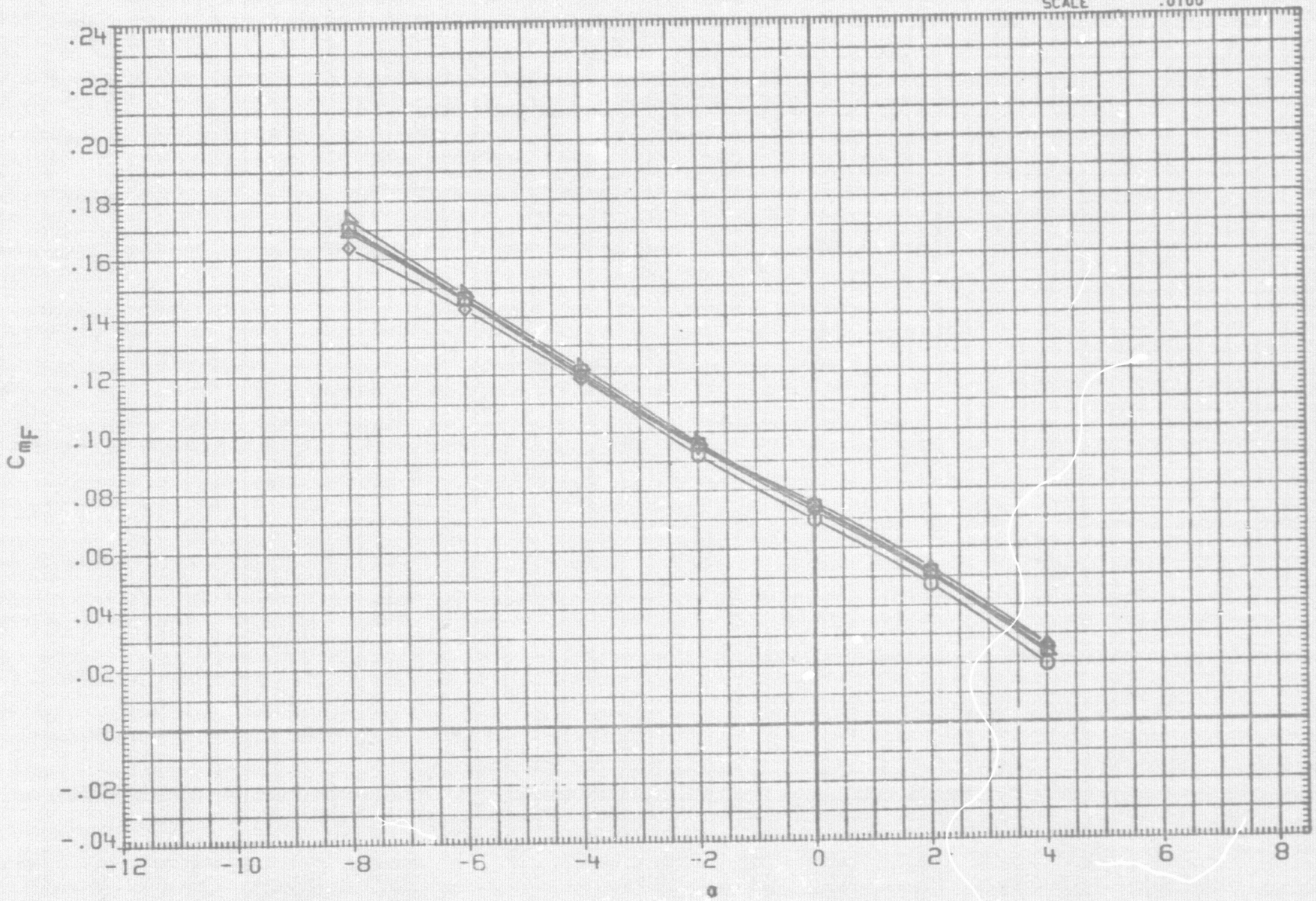


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

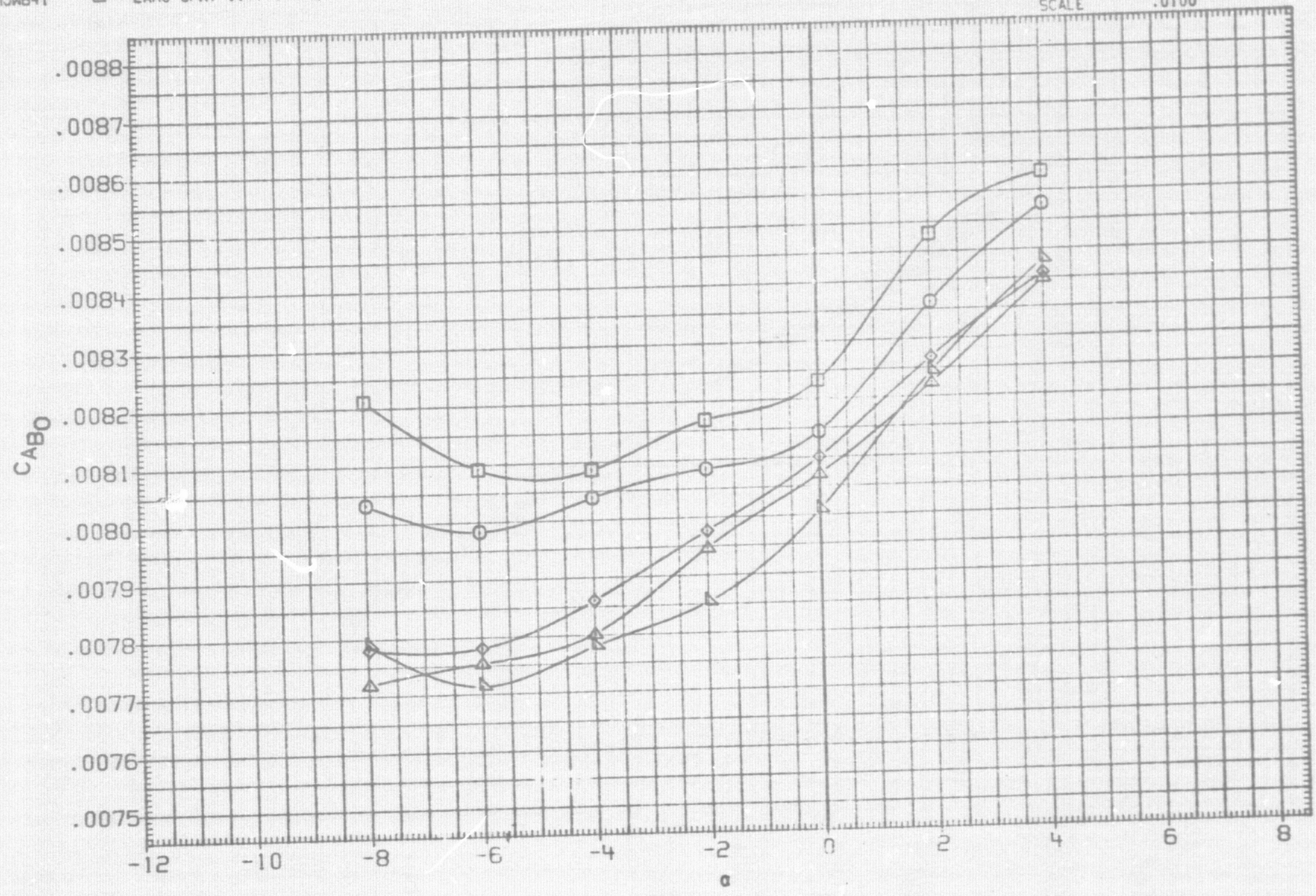


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

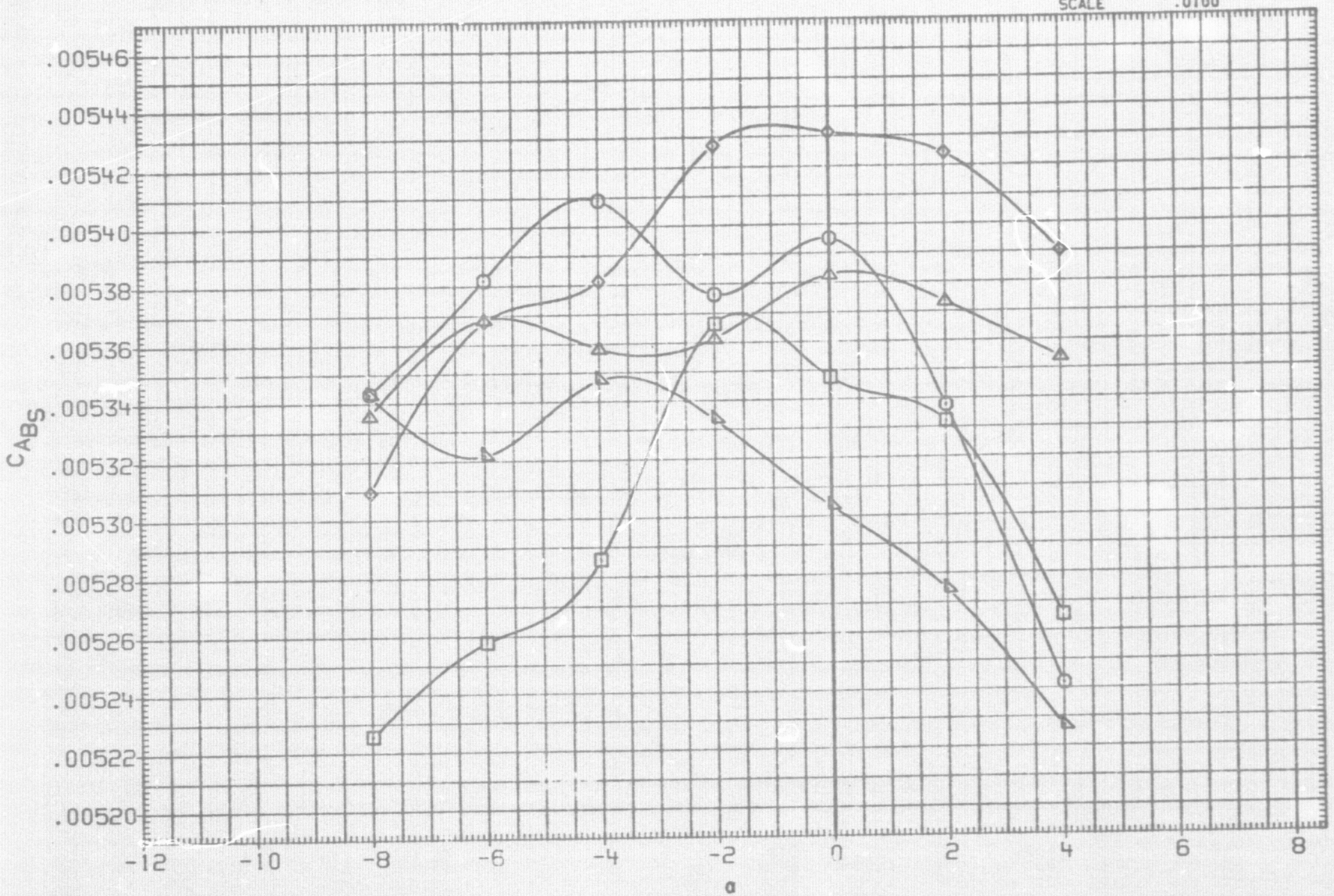


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSATI30
MJWB38	□	LARC UPWT 1177(IA94B) OTSATI30
MJWB39	◇	LARC UPWT 1177(IA94B) OTSATI30
MJWB40	△	LARC UPWT 1177(IA94B) OTSATI30
MJWB41	▷	LARC UPWT 1177(IA94B) OTSATI30

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

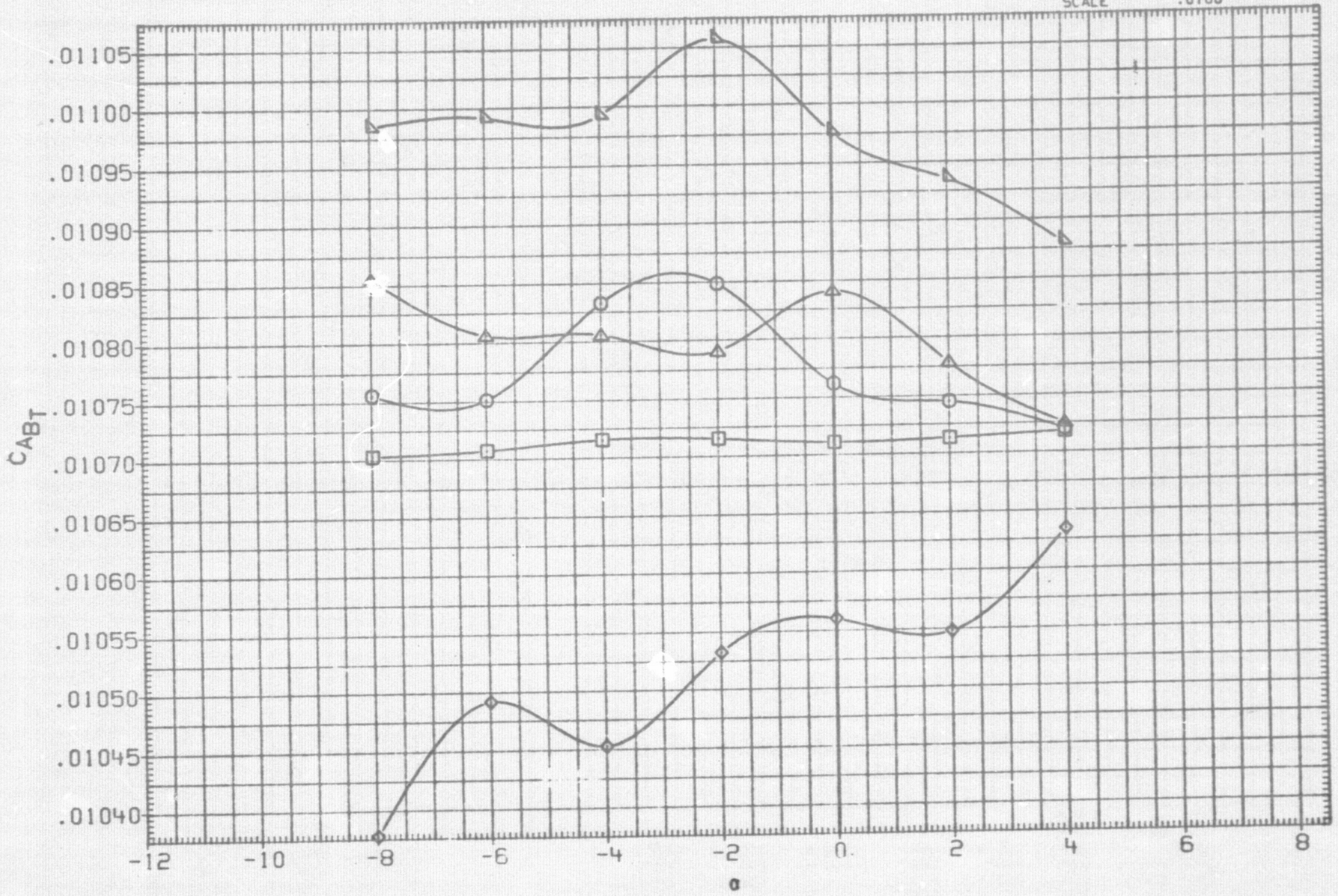


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB42	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB43	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB44	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB45	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB46	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

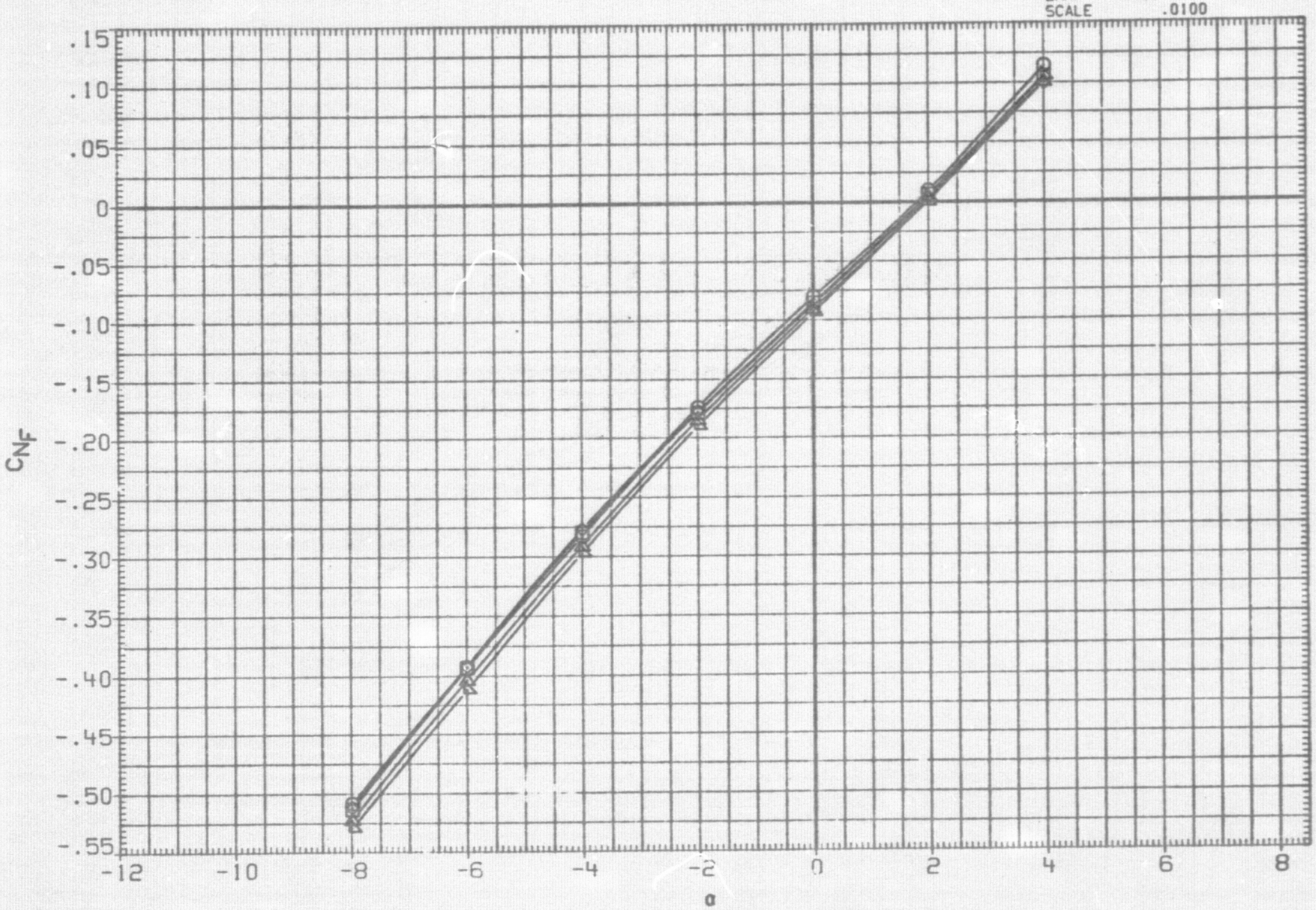


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB42	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB43	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB44	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB45	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB46	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

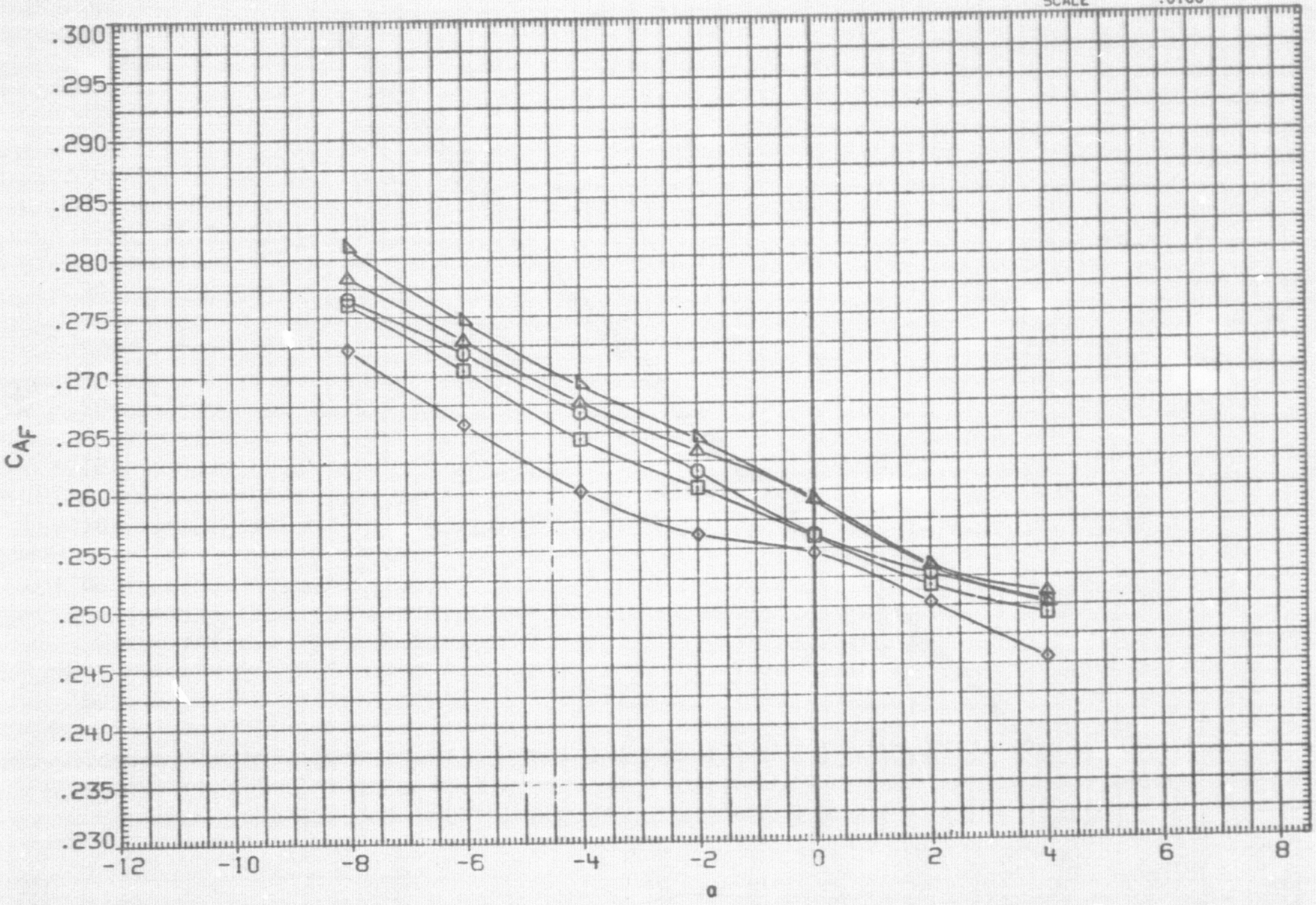


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB42	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	2.000	.000	2.000
MJWB43	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	2.000	.000	2.000
MJWB44	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	2.000	.000	2.000
MJWB45	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	2.000	.000	2.000
MJWB46	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

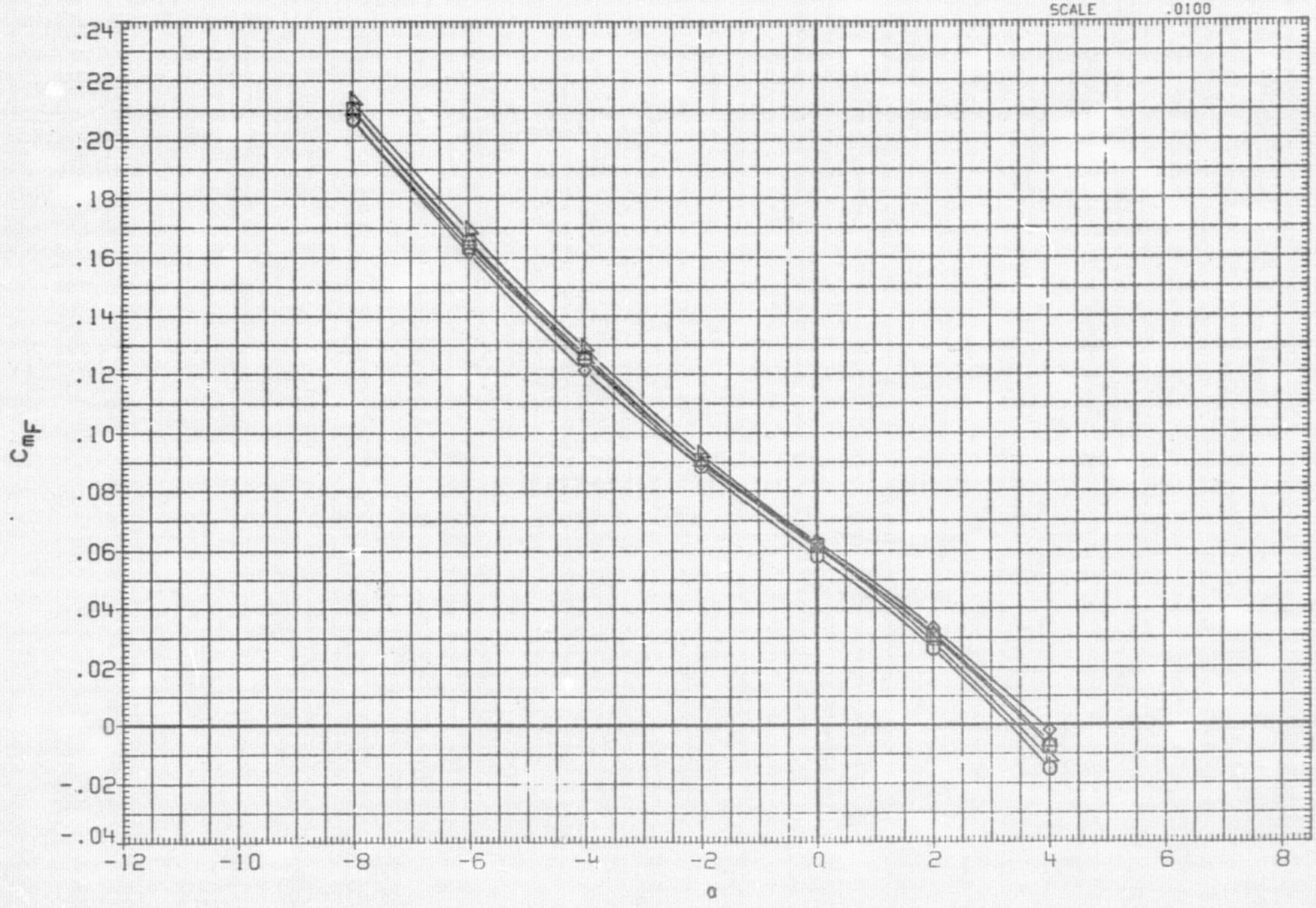


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB42	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB43	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB44	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB45	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB46	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

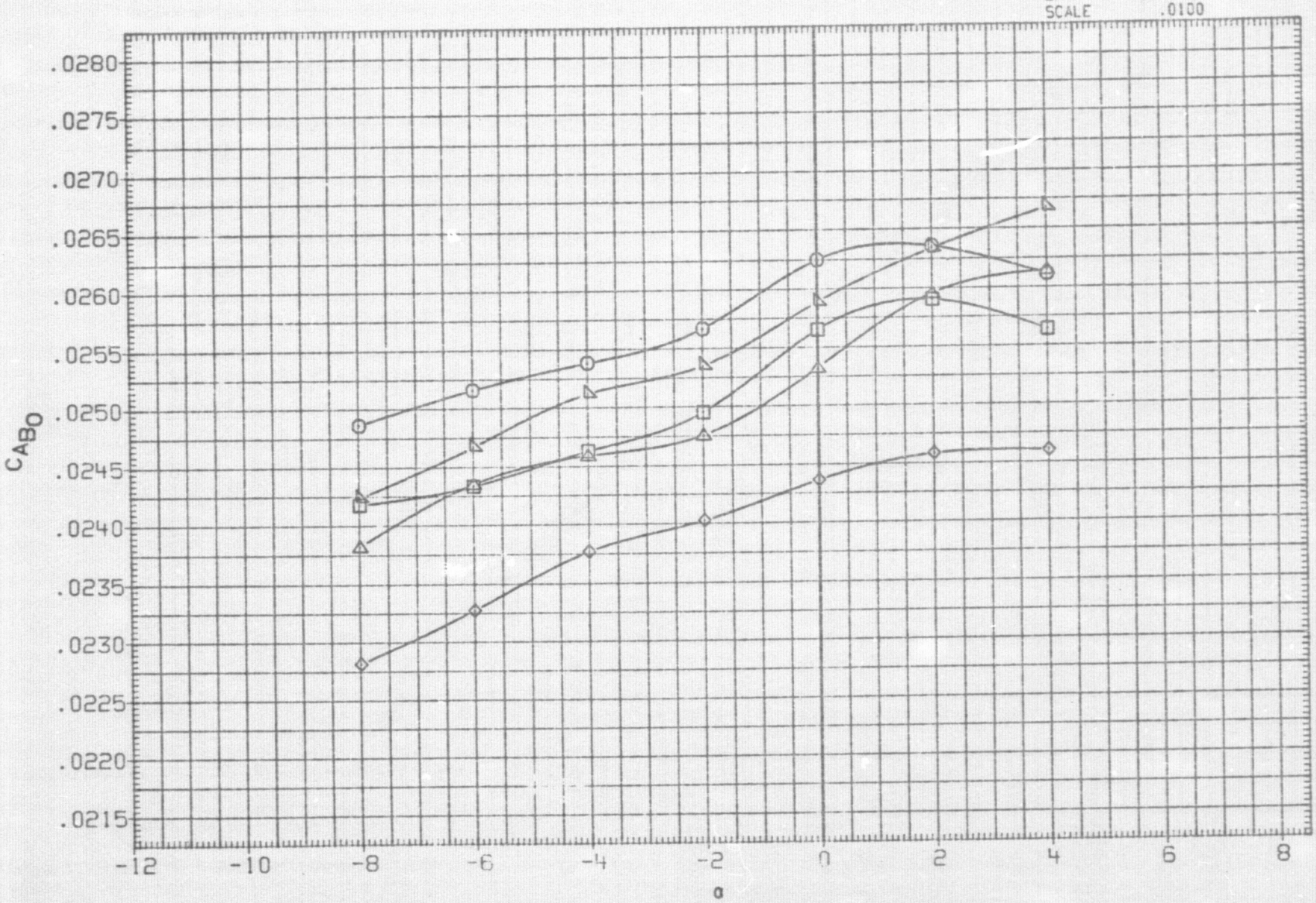


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB42	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	2.000	.000	2.000
MJWB43	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	2.000	.000	2.000
MJWB44	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	2.000	.000	2.000
MJWB45	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	2.000	.000	2.000
MJWB46	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

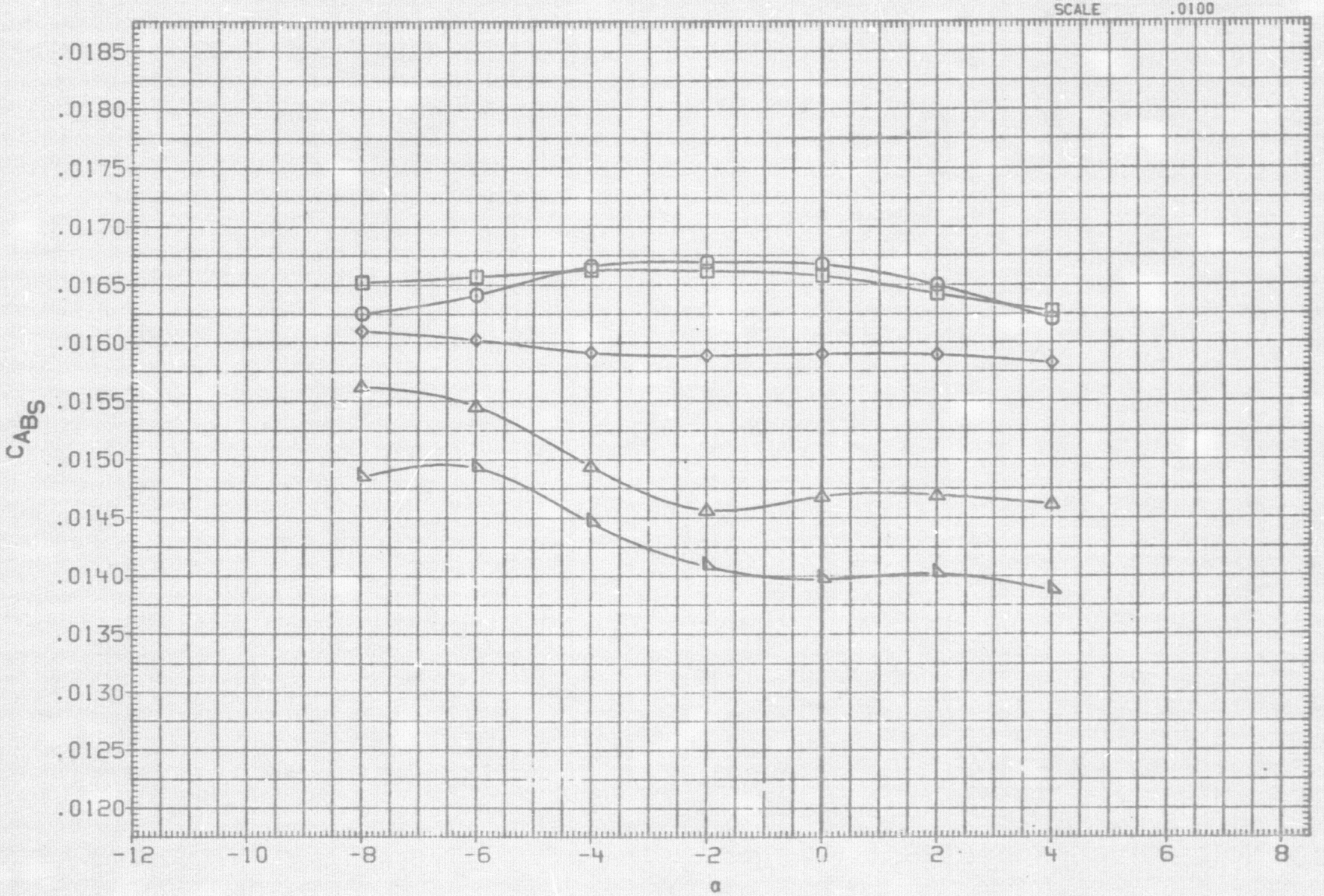


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB42	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB43	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB44	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB45	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB46	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RC
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

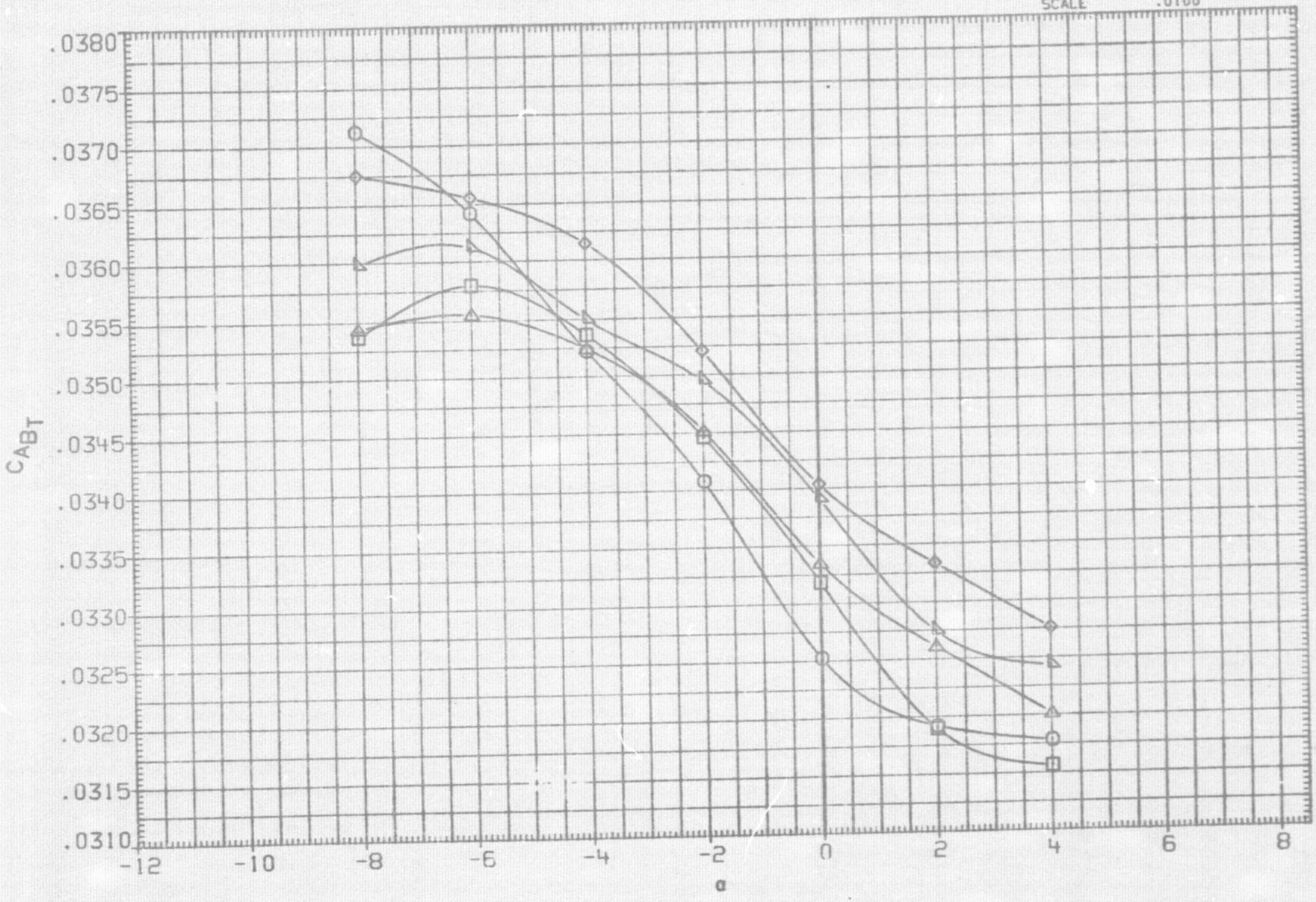


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB47	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB48	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB49	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB50	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB51	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

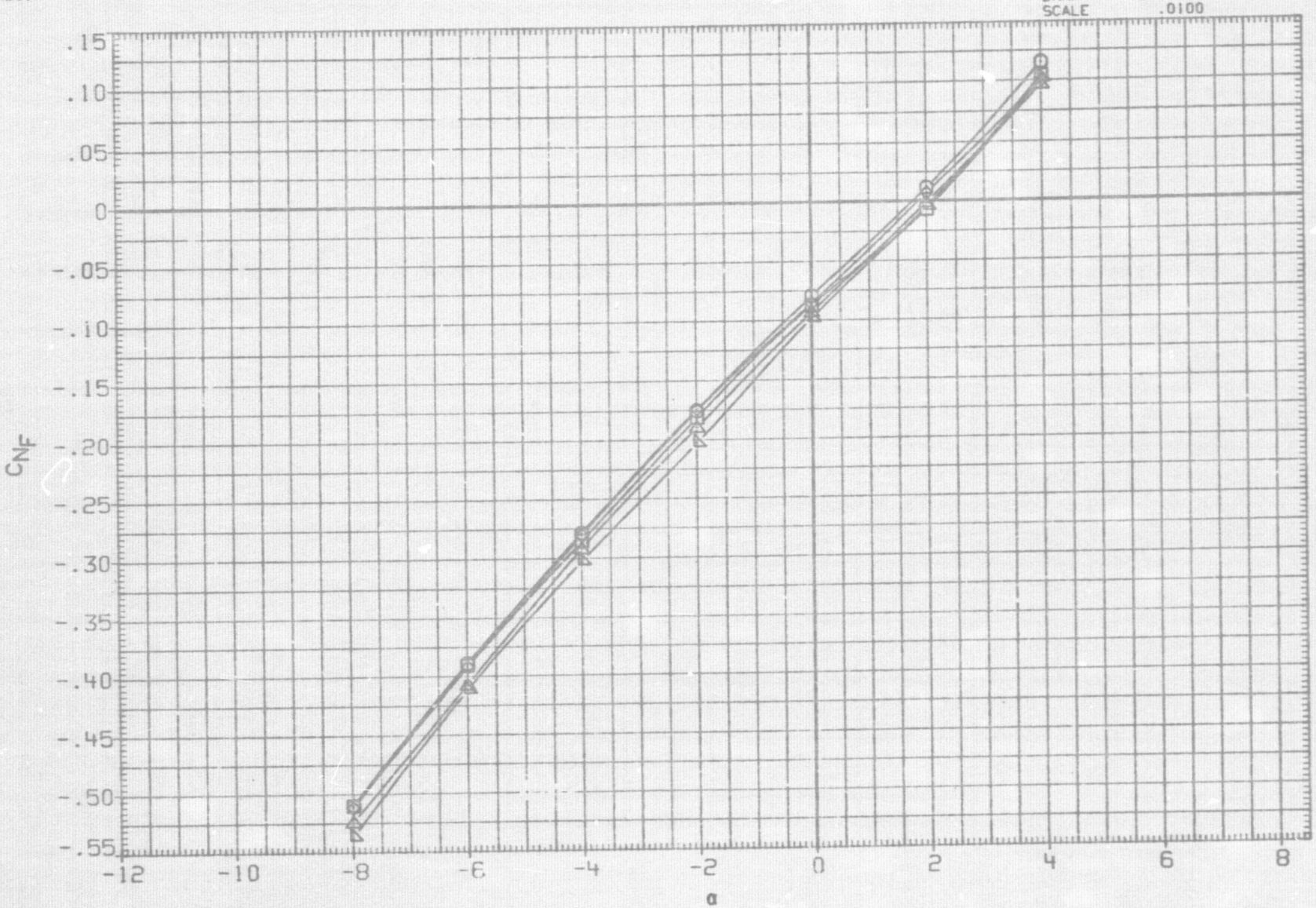


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJW847	○	LARC UPWT 1177(1A948) OTSAT130
MJW848	□	LARC UPWT 1177(1A948) OTSAT130
MJW849	◇	LARC UPWT 1177(1A948) OTSAT130
MJW850	△	LARC UPWT 1177(1A948) OTSAT130
MJW851	▽	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

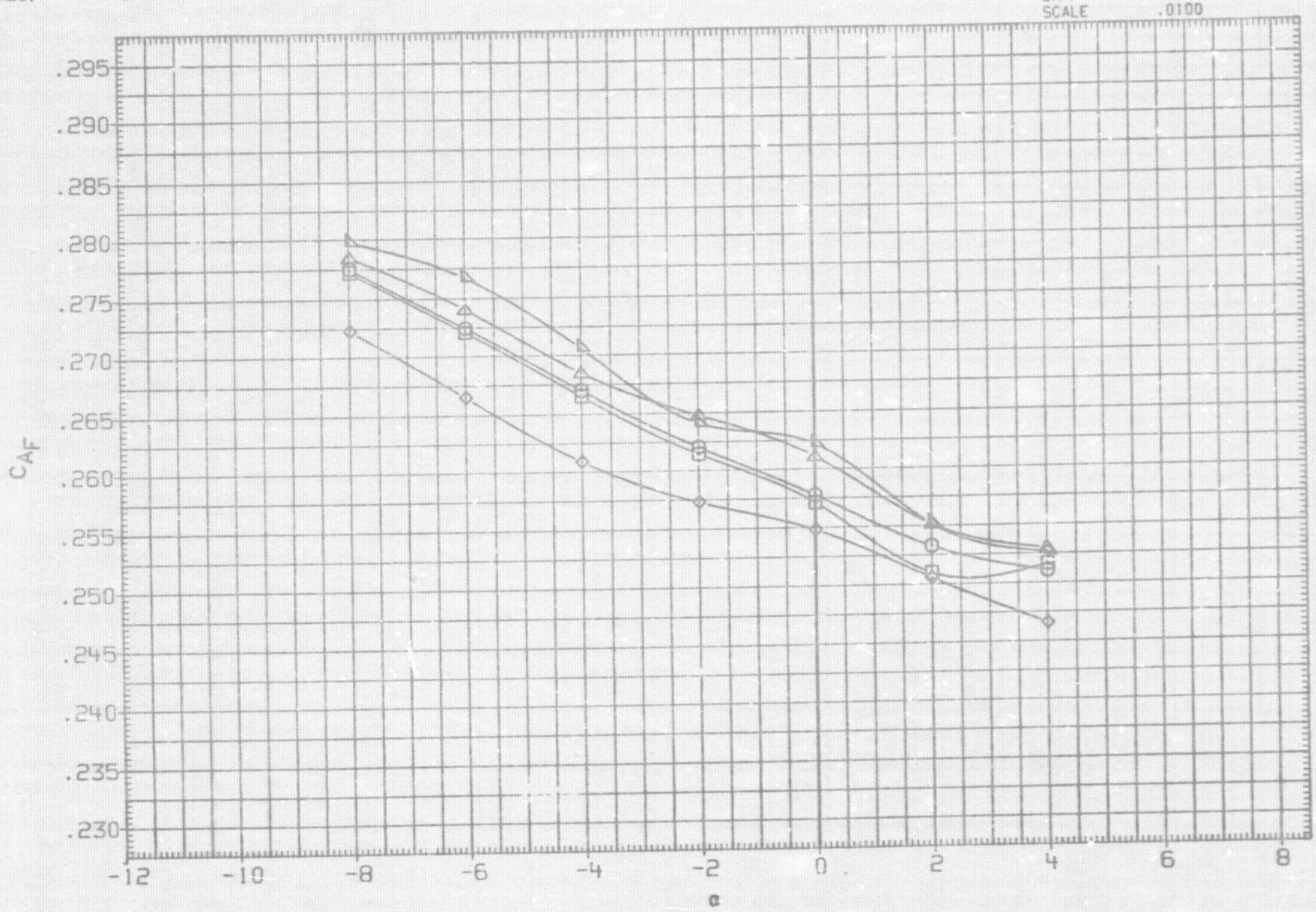


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB47	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB48	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB49	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB50	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB51	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

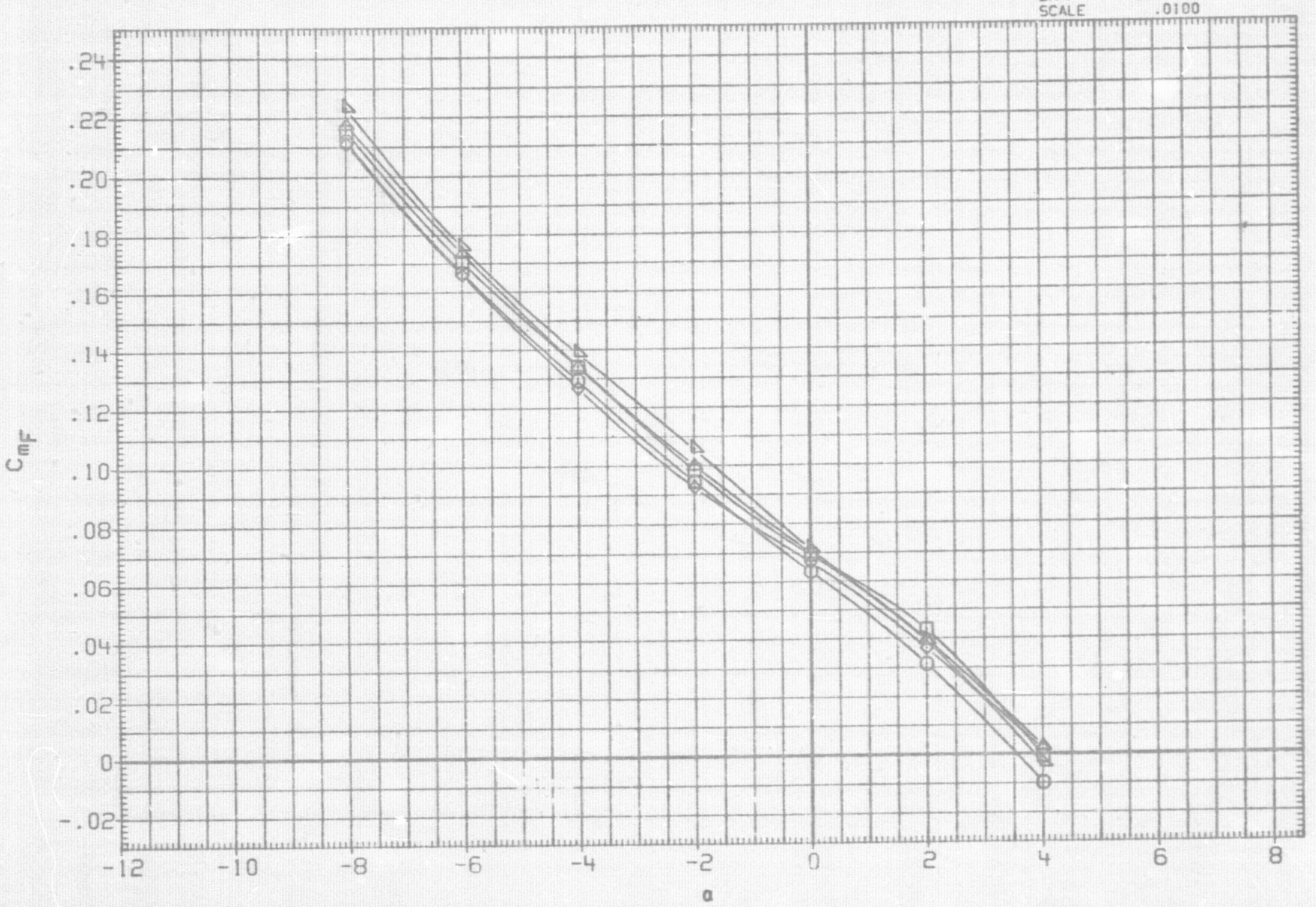


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB47	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB48	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB49	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB50	△	LARC UPWT 1177(IA94B) OTSAT13C
MJWB51	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

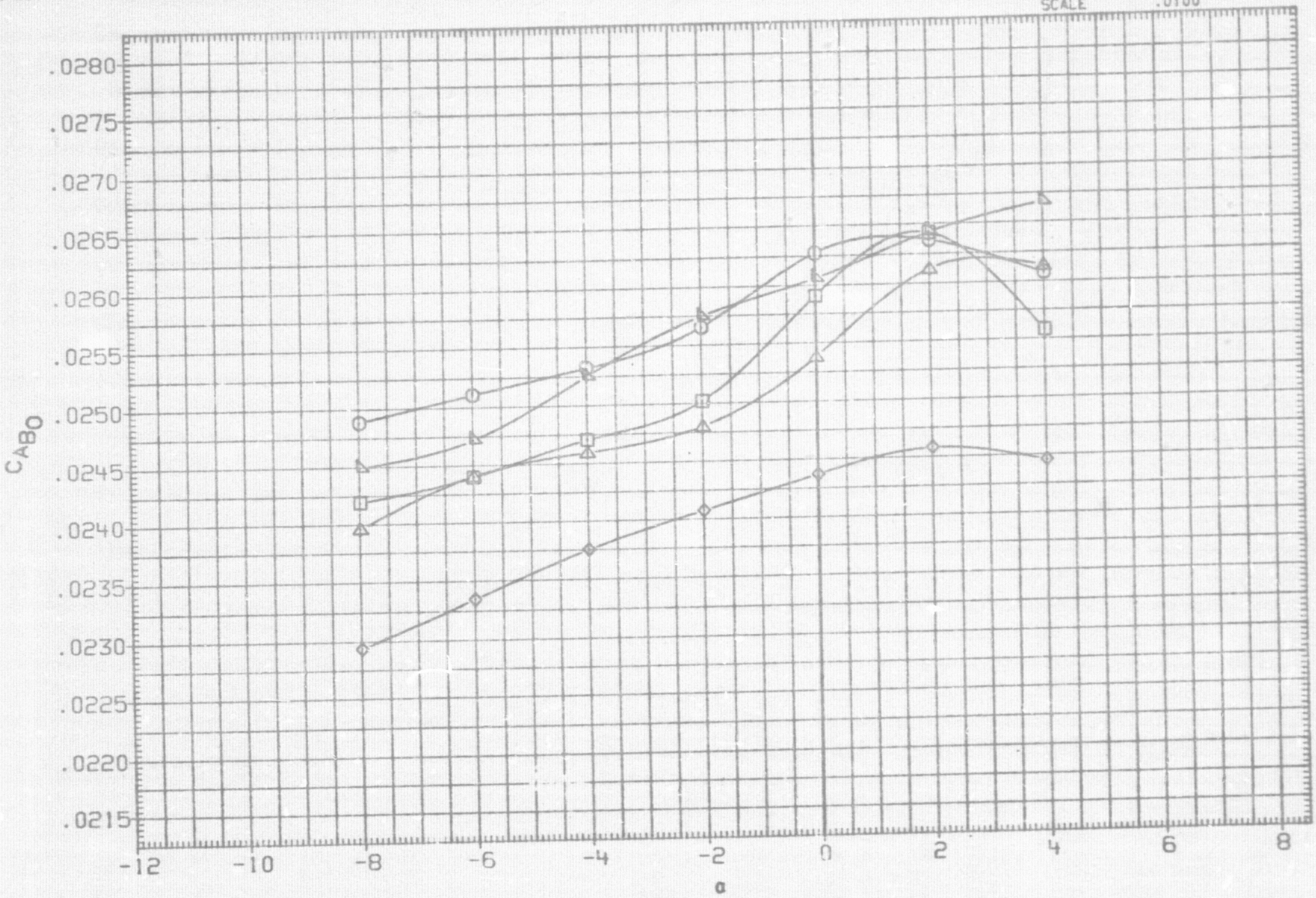


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJW847	○	LARC UPWT 1177(1A94B) OTSAT130
MJW848	□	LARC UPWT 1177(1A94B) OTSAT130
MJW849	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW850	△	LARC UPWT 1177(1A94B) OTSAT130
MJW851	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

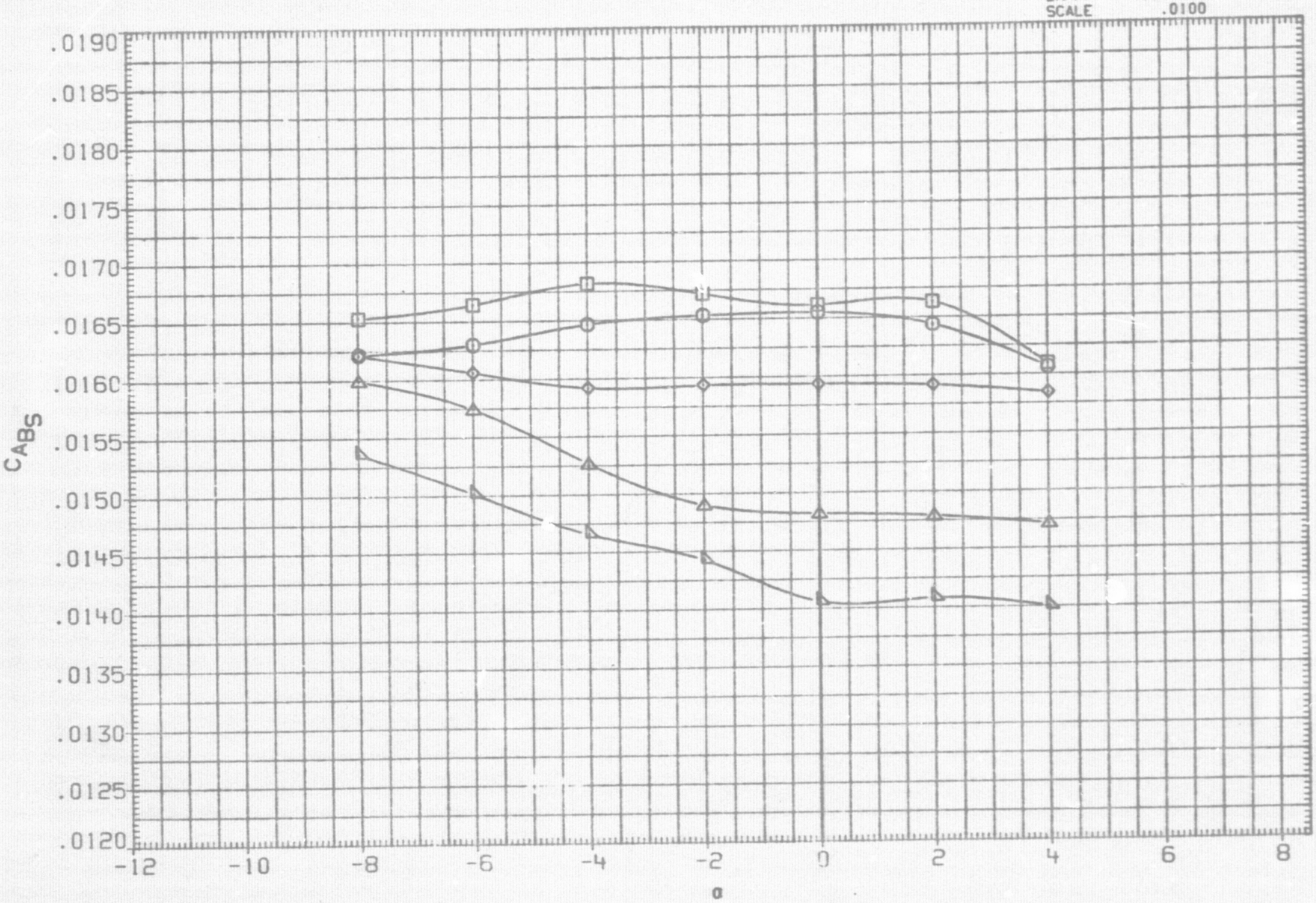


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB47	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB48	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB49	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB50	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB51	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

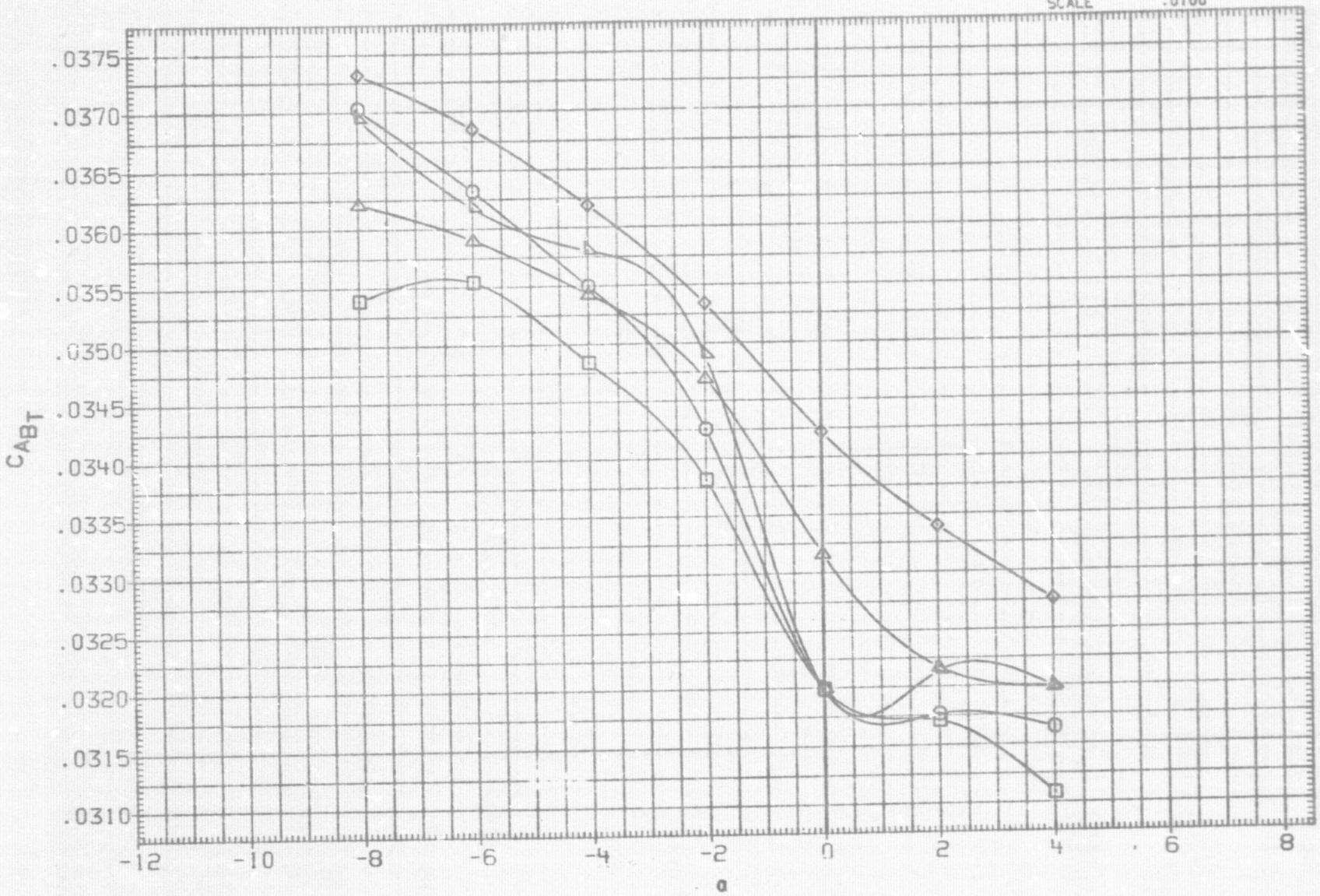


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB53	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB54	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB55	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB56	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

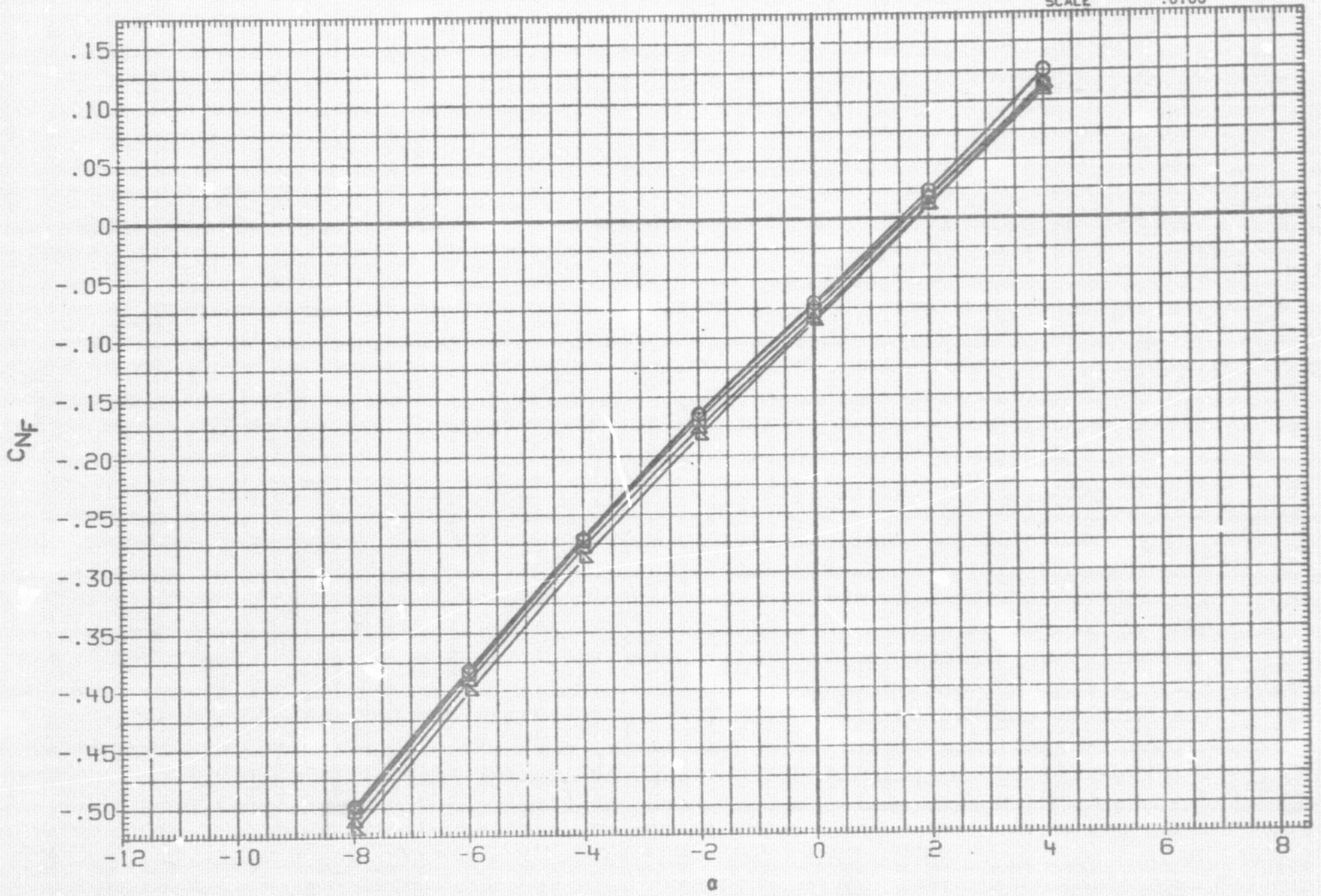


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB53	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB54	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB55	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB56	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

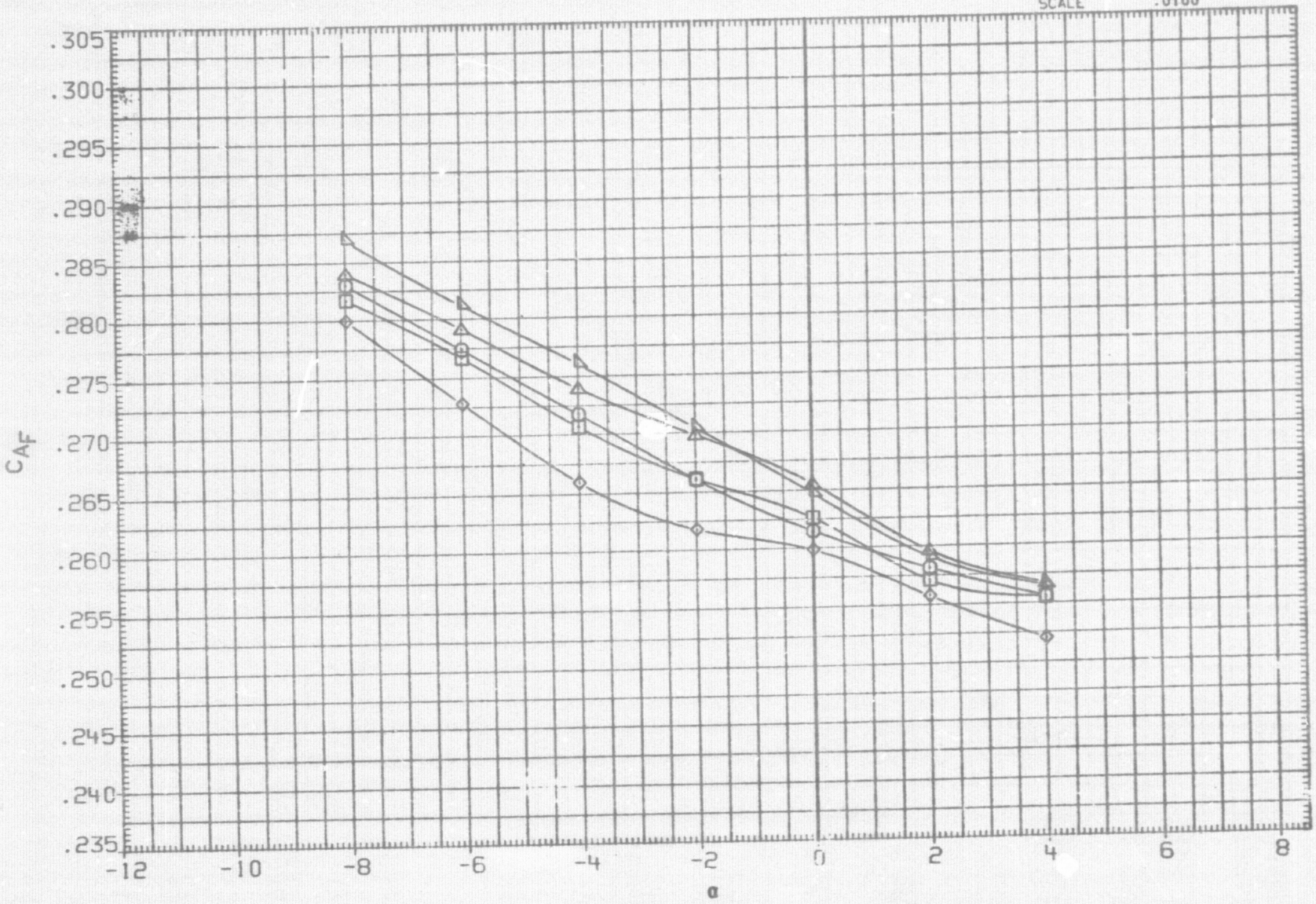


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(IA948) OTSAT130
MJWB53	□	LARC UPWT 1177(IA948) OTSAT130
MJWB54	◇	LARC UPWT 1177(IA948) OTSAT130
MJWB55	△	LARC UPWT 1177(IA948) OTSAT130
MJWB56	▷	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

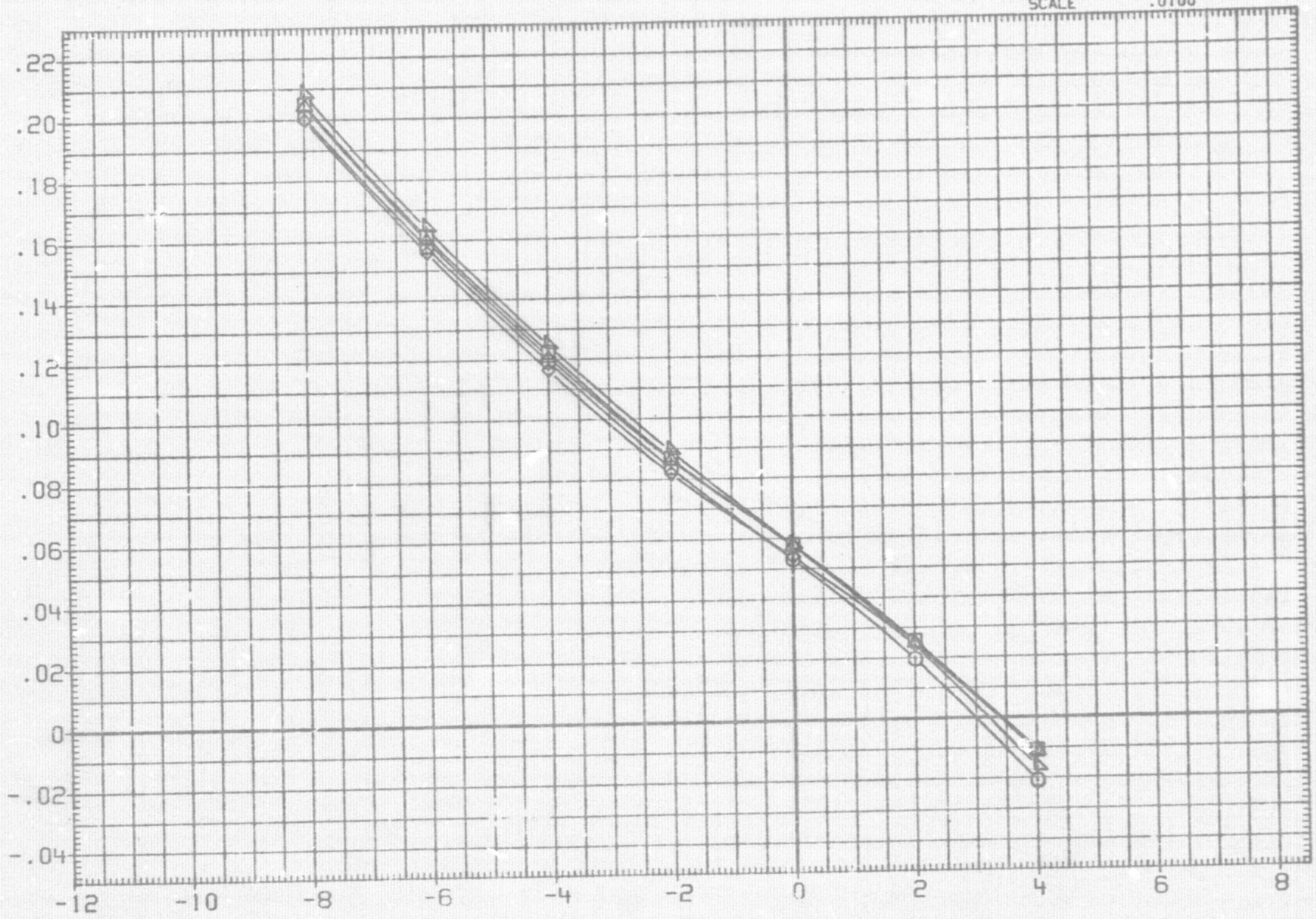


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(IA948) OTSAT130
MJWB53	□	LARC UPWT 1177(IA948) OTSAT130
MJWB54	◇	LARC UPWT 1177(IA948) OTSAT130
MJWB55	△	LARC UPWT 1177(IA948) OTSAT130
MJWB56	◁	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB53	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB54	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB55	▷	LARC UPWT 1177(1A94B) OTSAT130
MJWB56	△	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

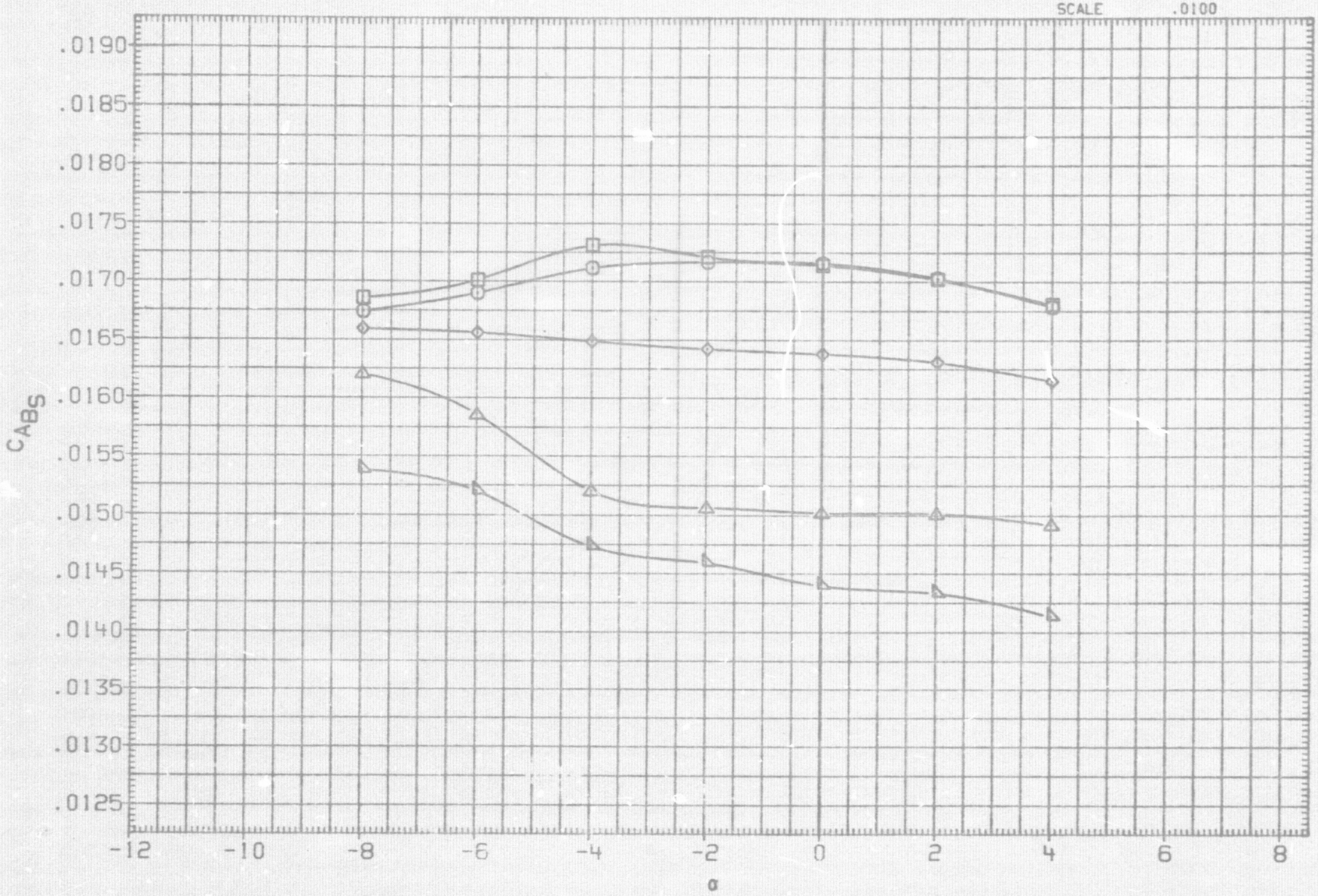


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB53	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB54	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB55	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB56	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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SCALE	.0100	

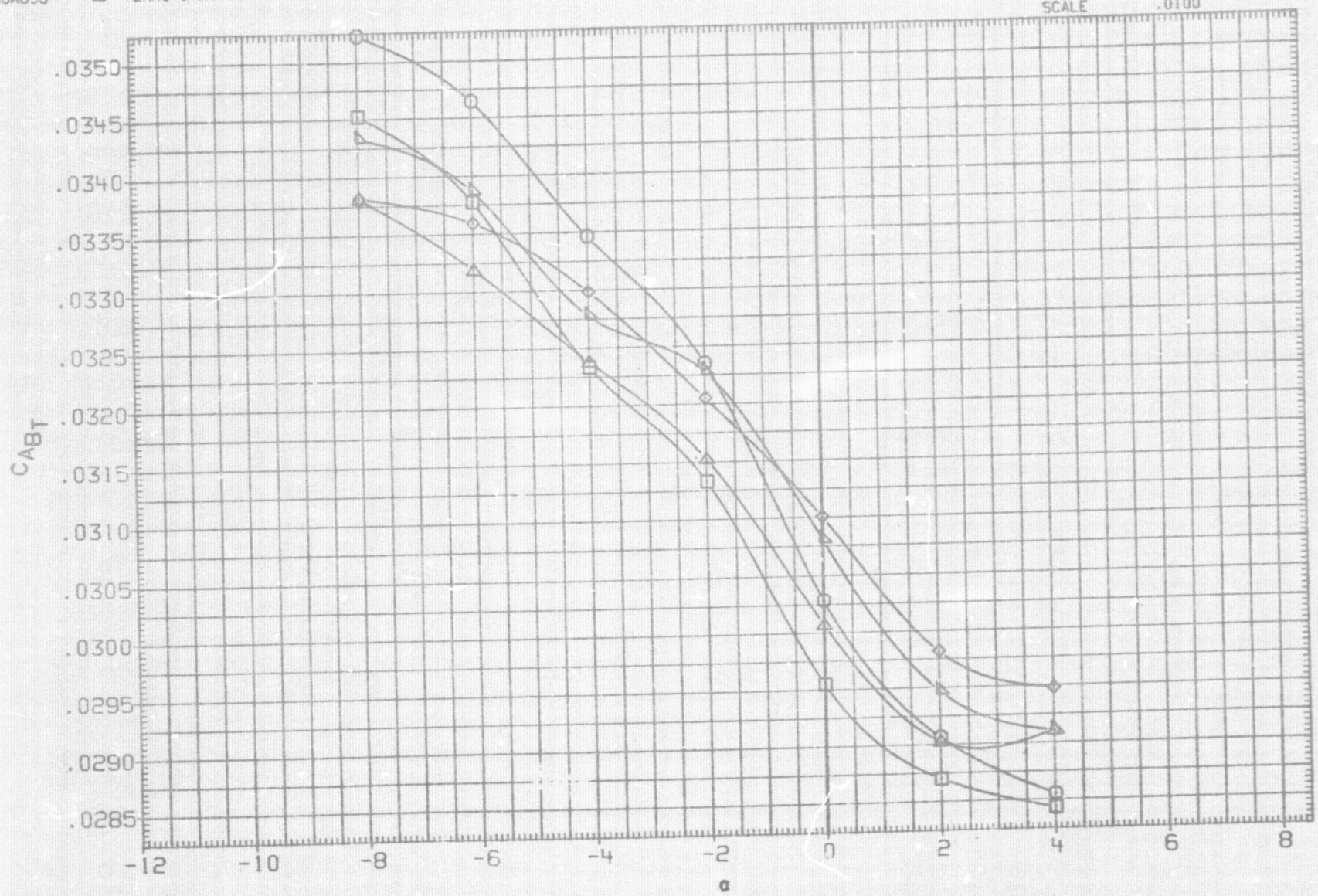


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

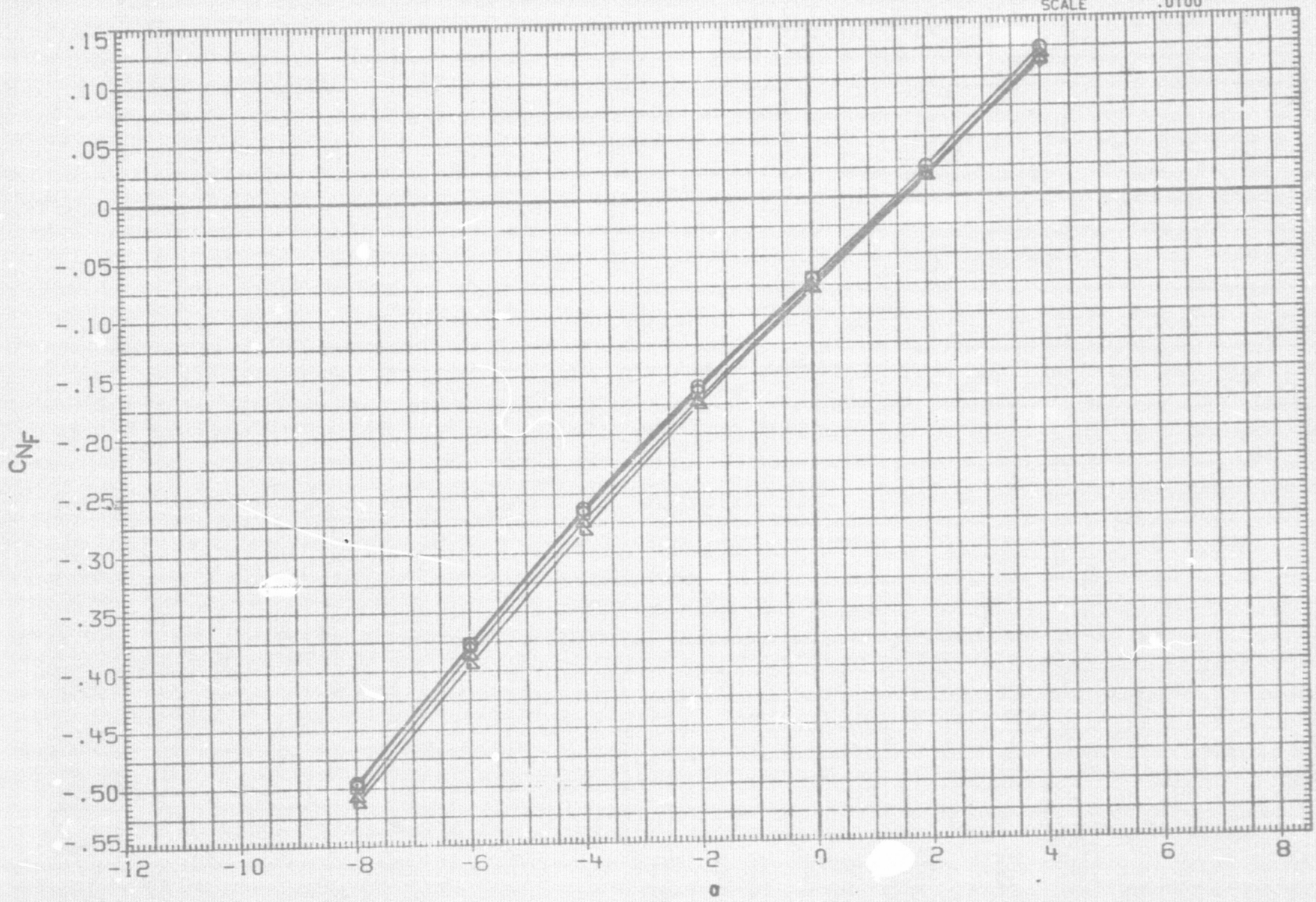


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA948) OTSAT130
MJWB58	□	LARC UPWT 1177(IA948) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA948) OTSAT130
MJWB60	△	LARC UPWT 1177(IA948) OTSAT130
MJWB61	▷	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

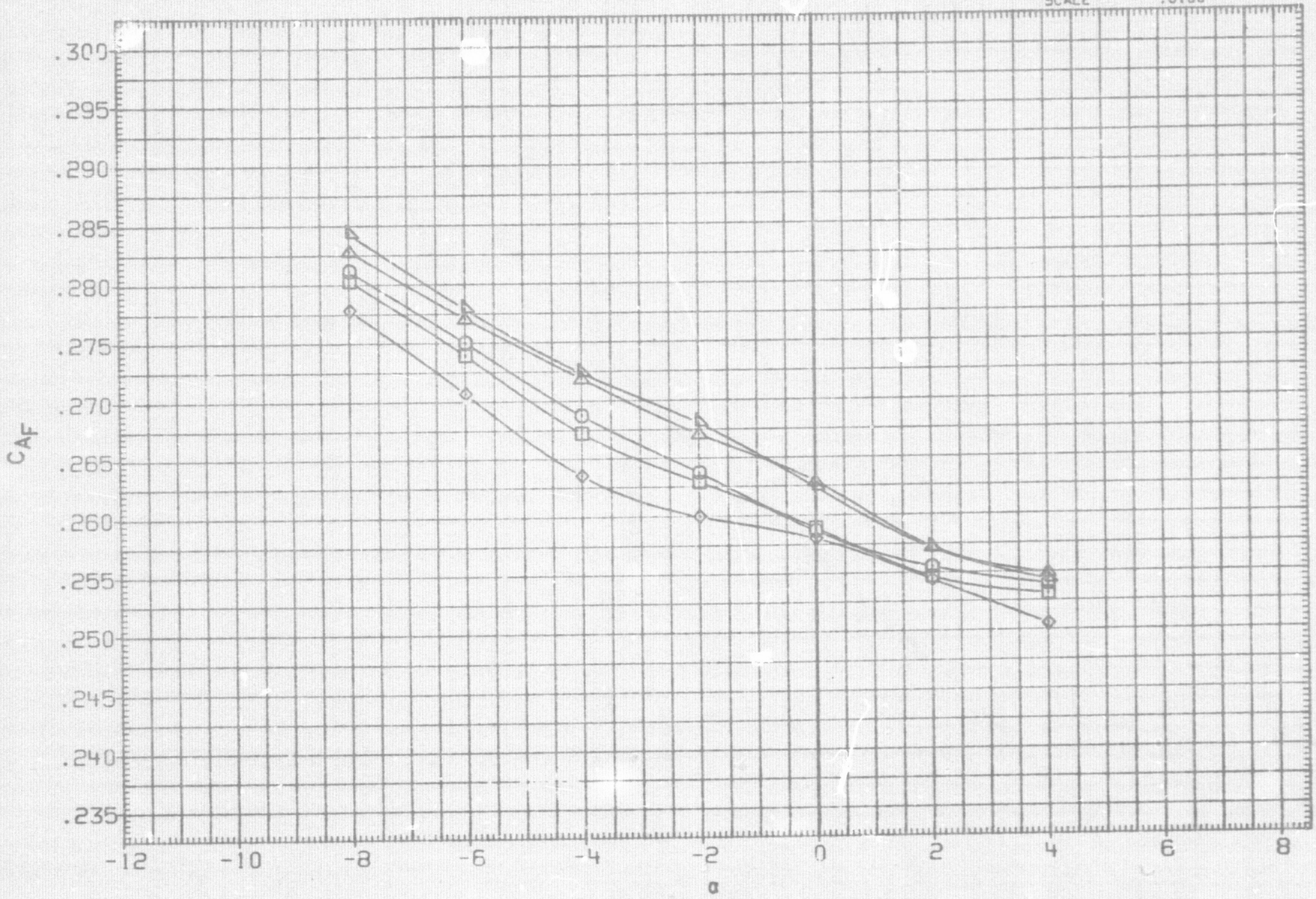


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A948) OTSAT130
MJWB58	□	LARC UPWT 1177(1A948) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A948) OTSAT130
MJWB60	△	LARC UPWT 1177(1A948) OTSAT130
MJWB61	▷	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

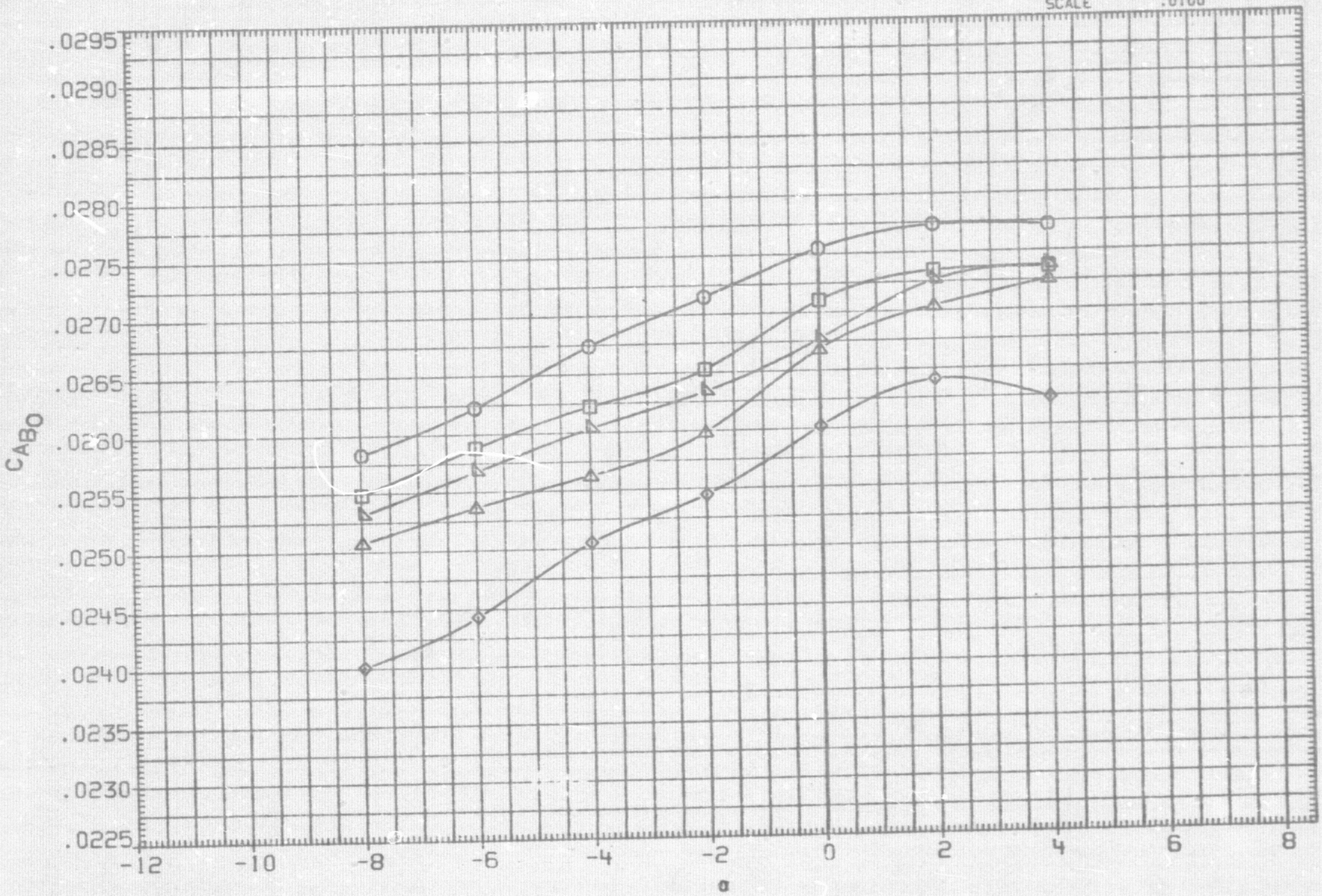


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

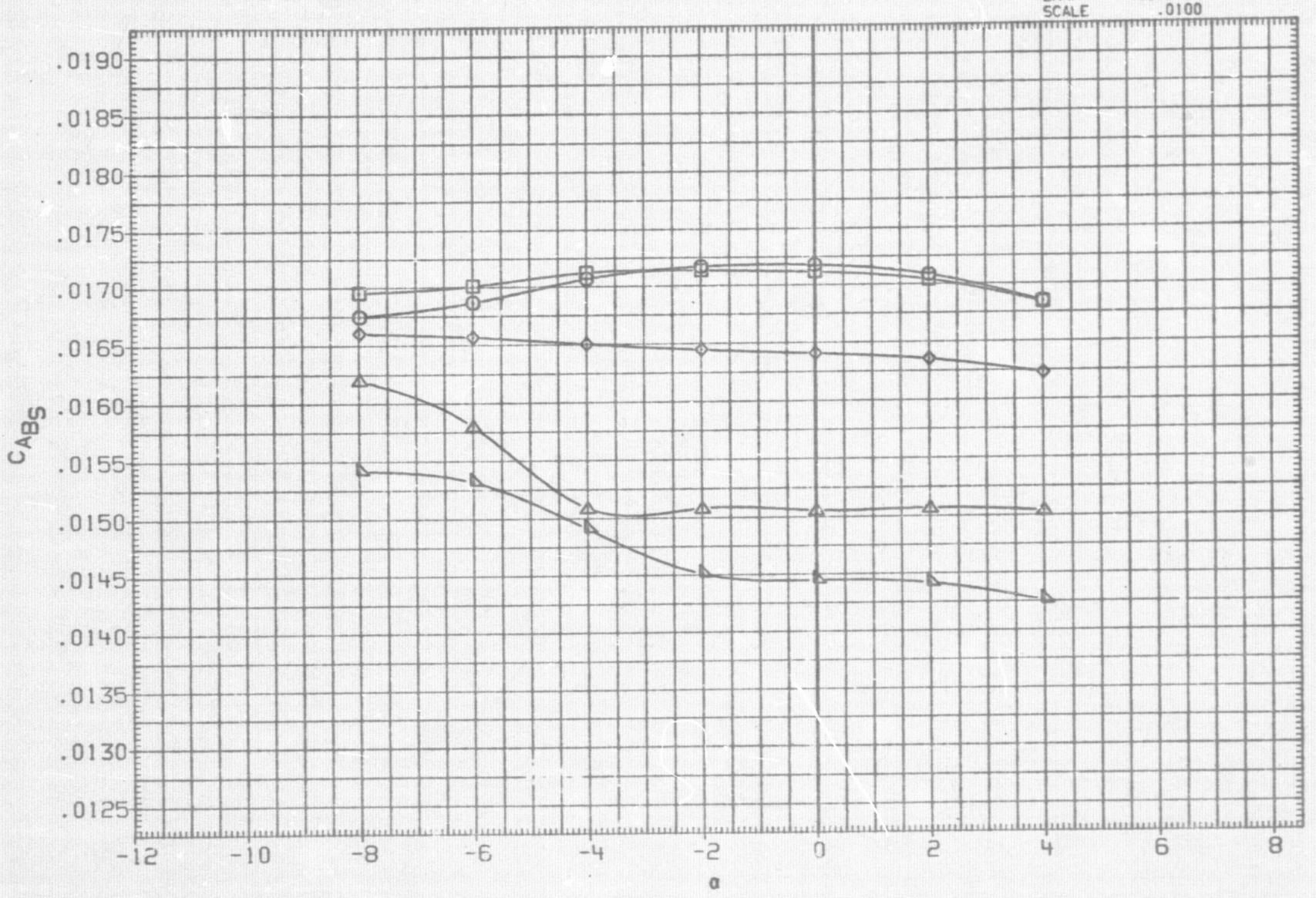


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWB61	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

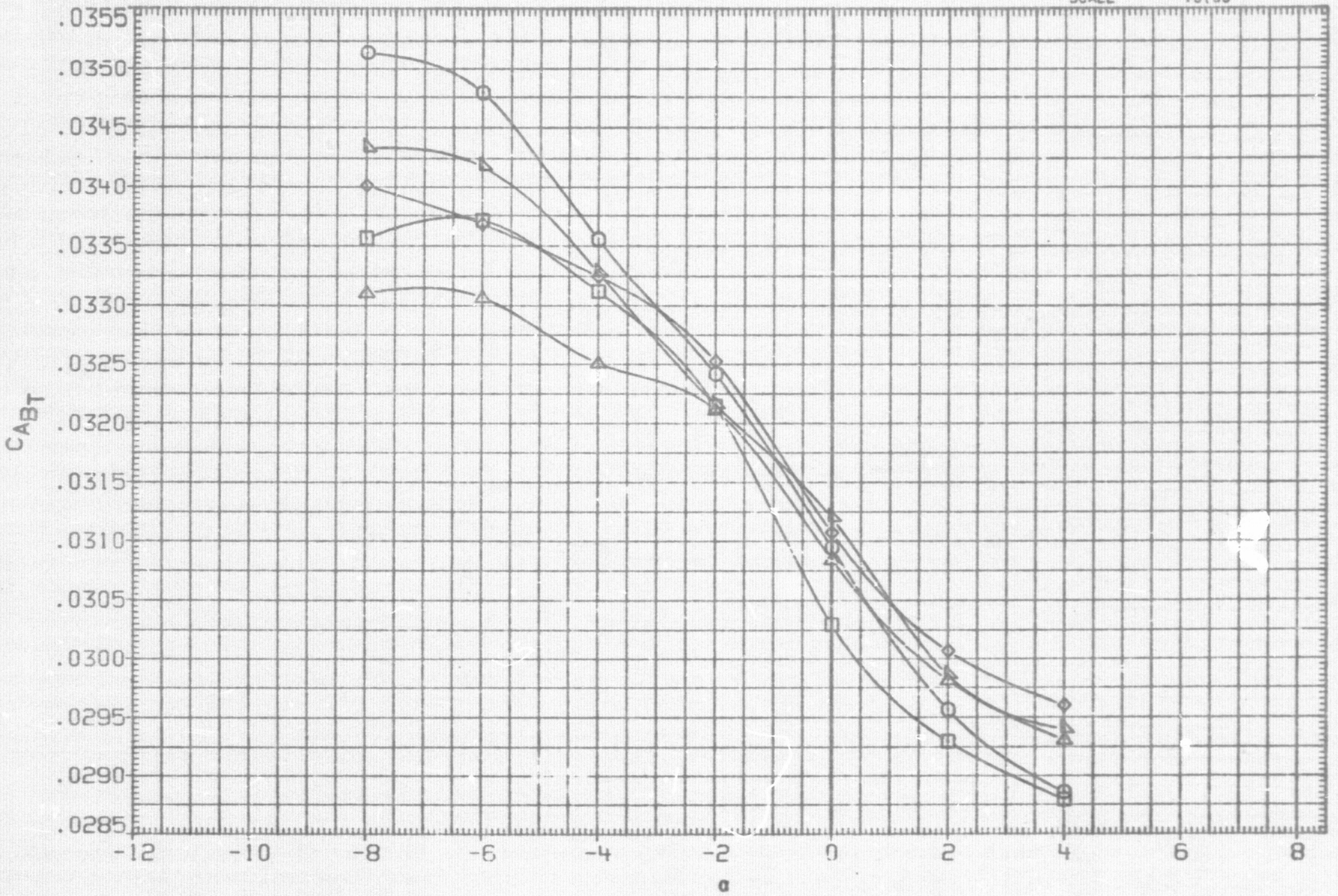


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(E)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

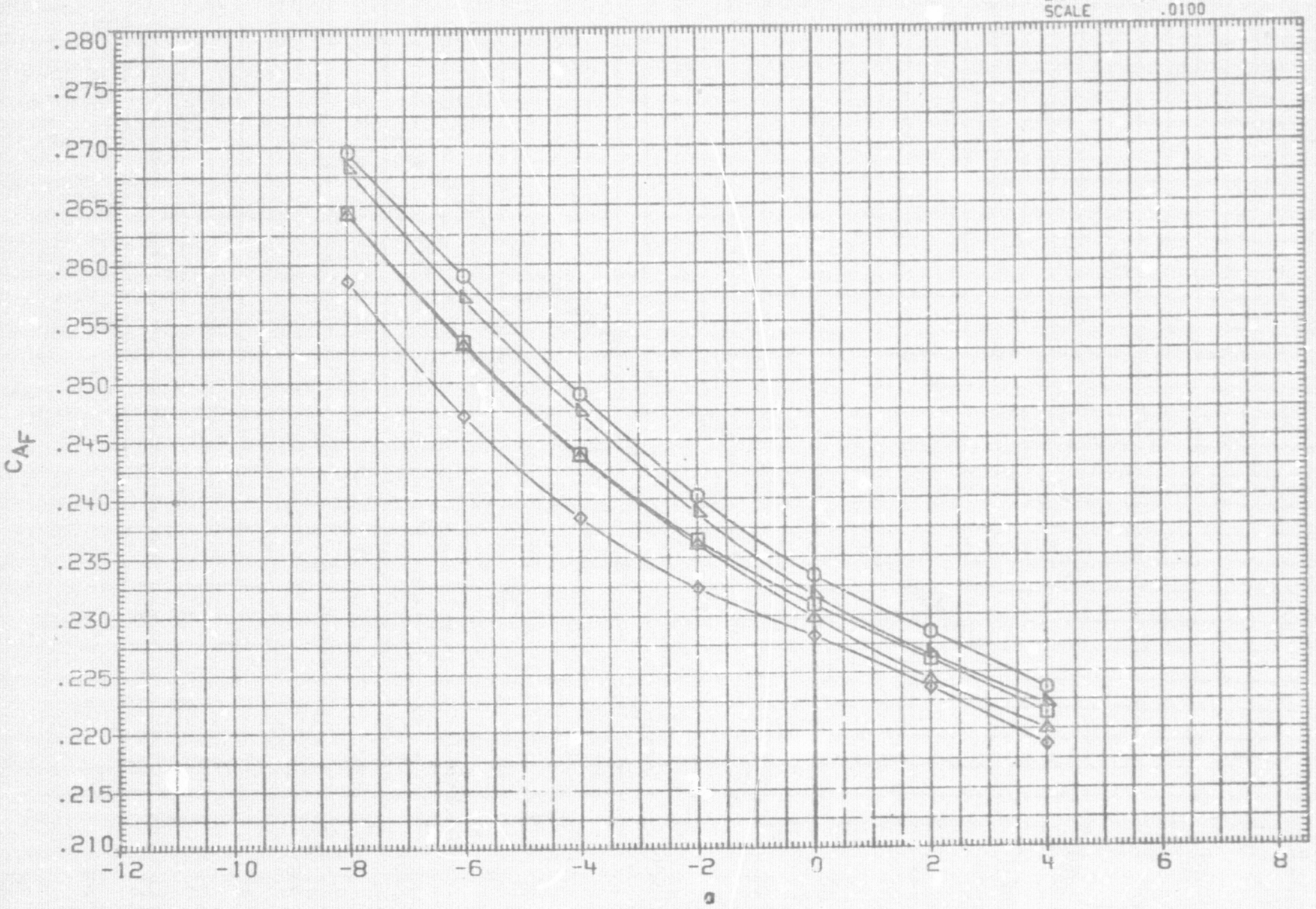


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

C3

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

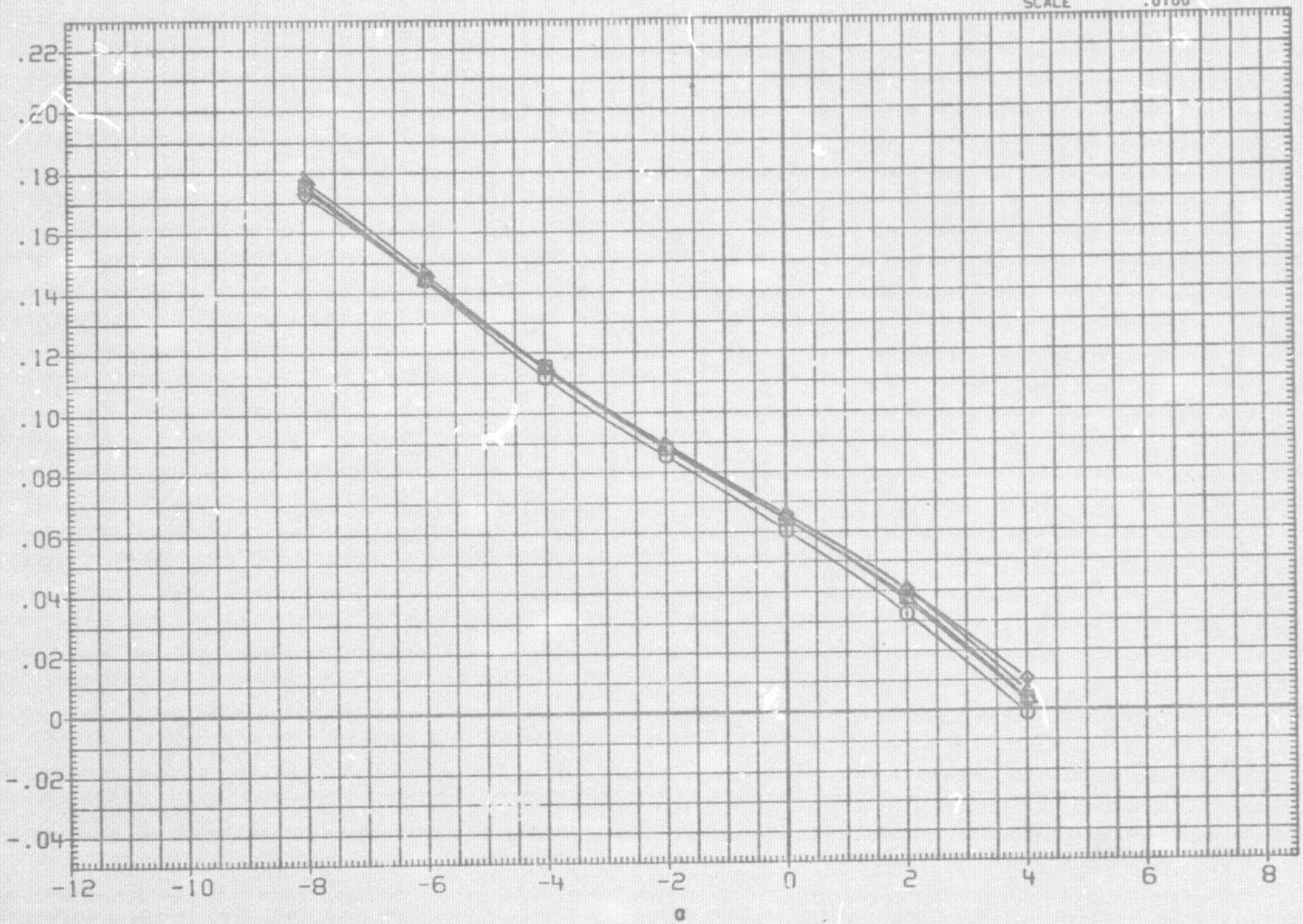


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

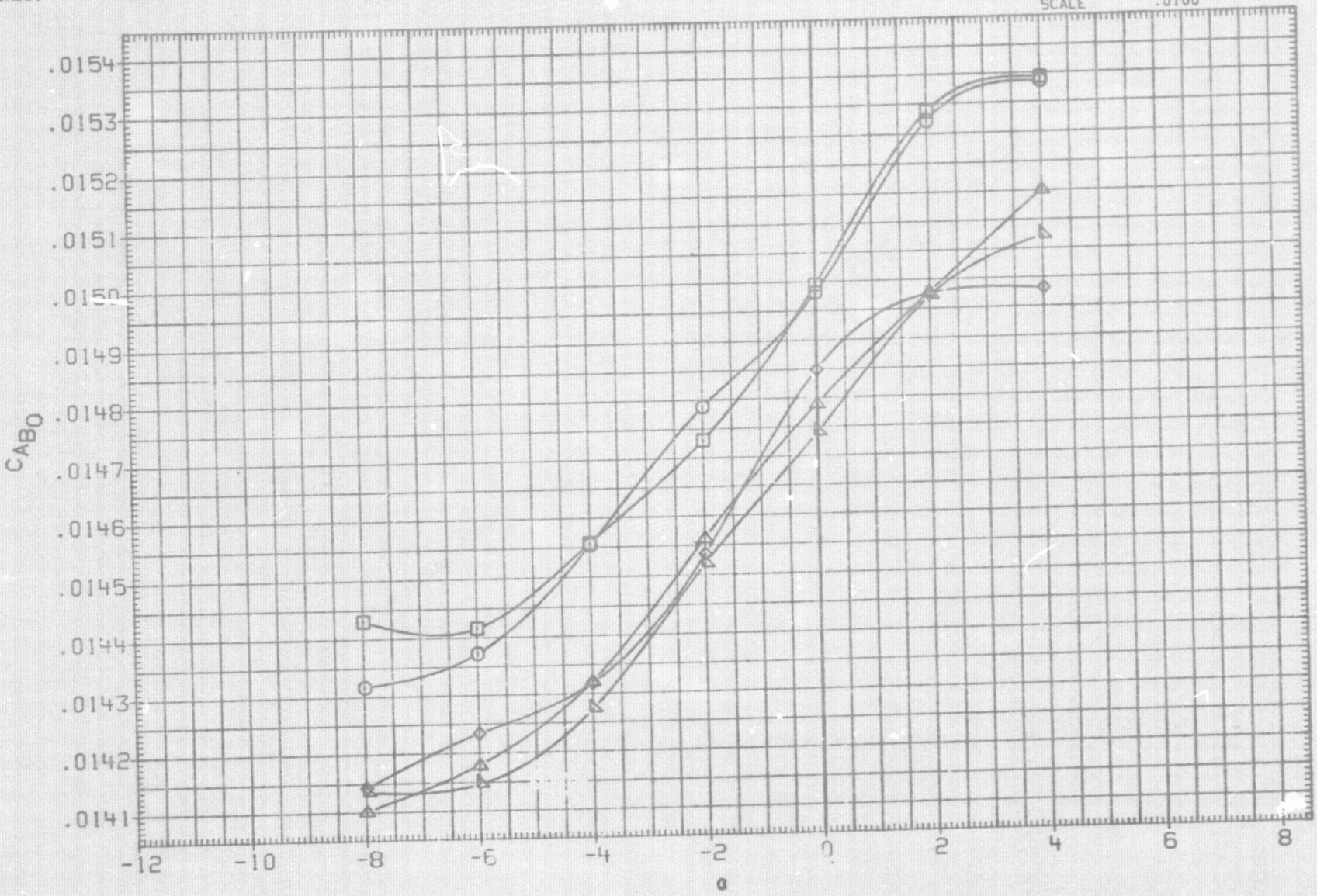


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

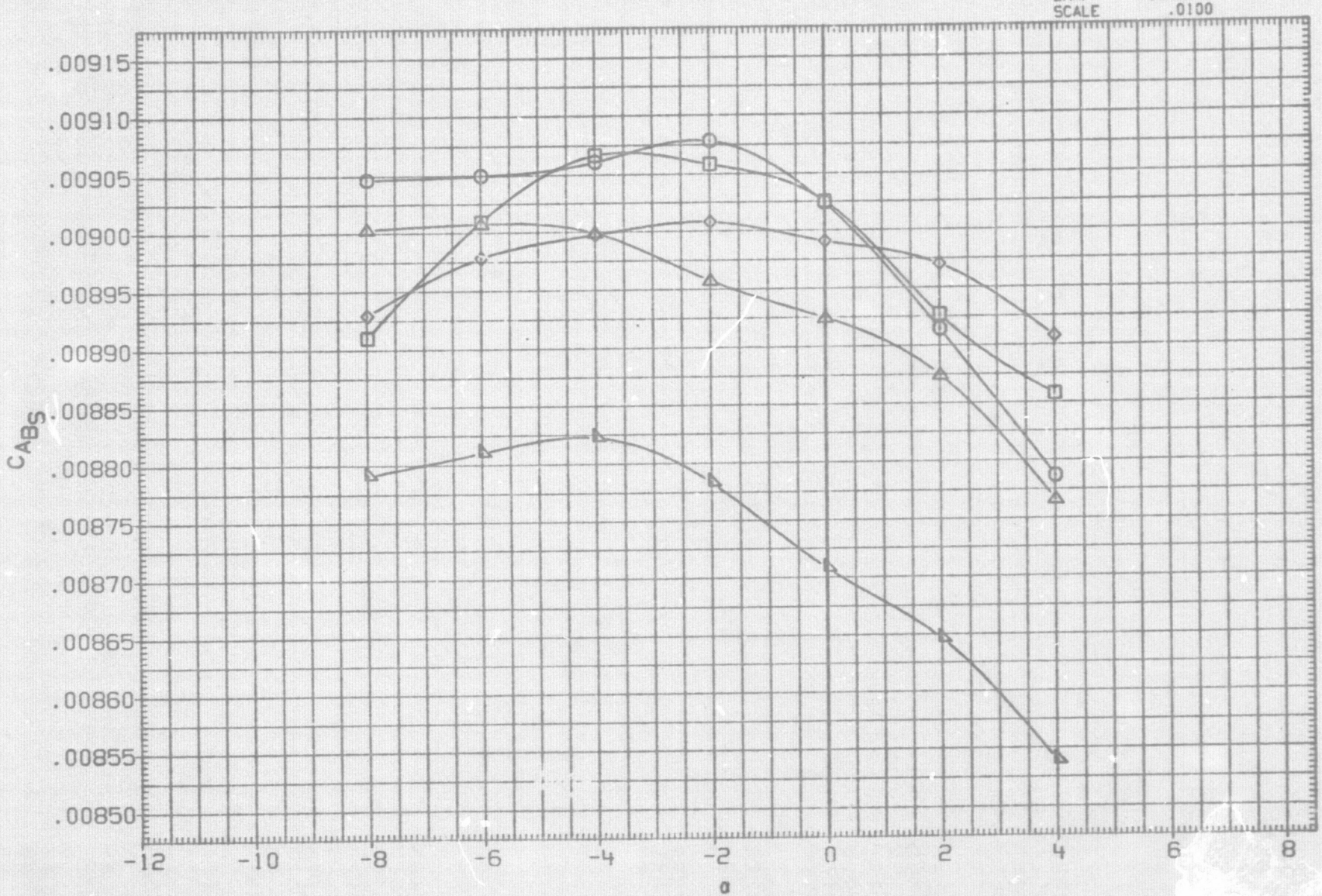


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

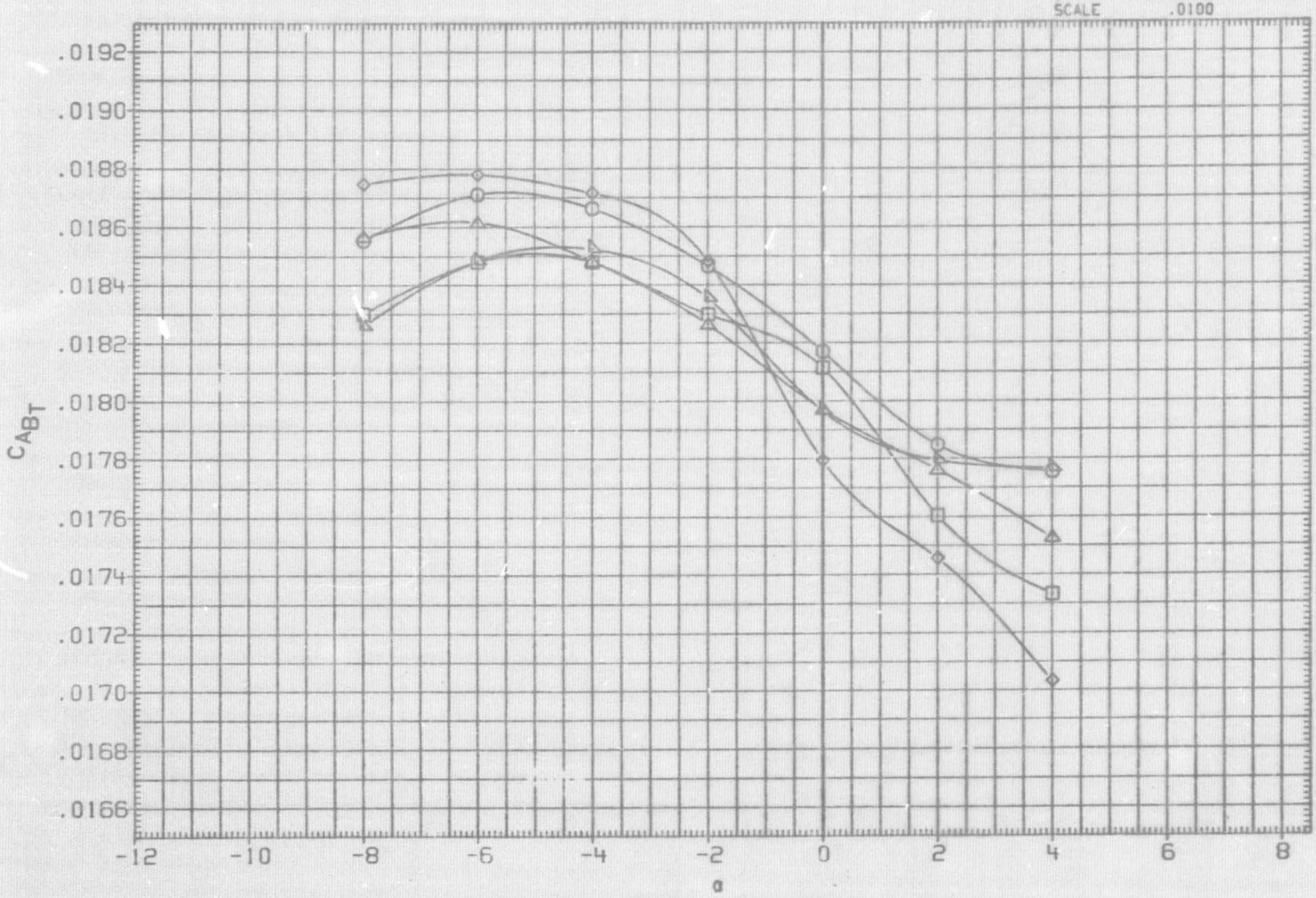


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

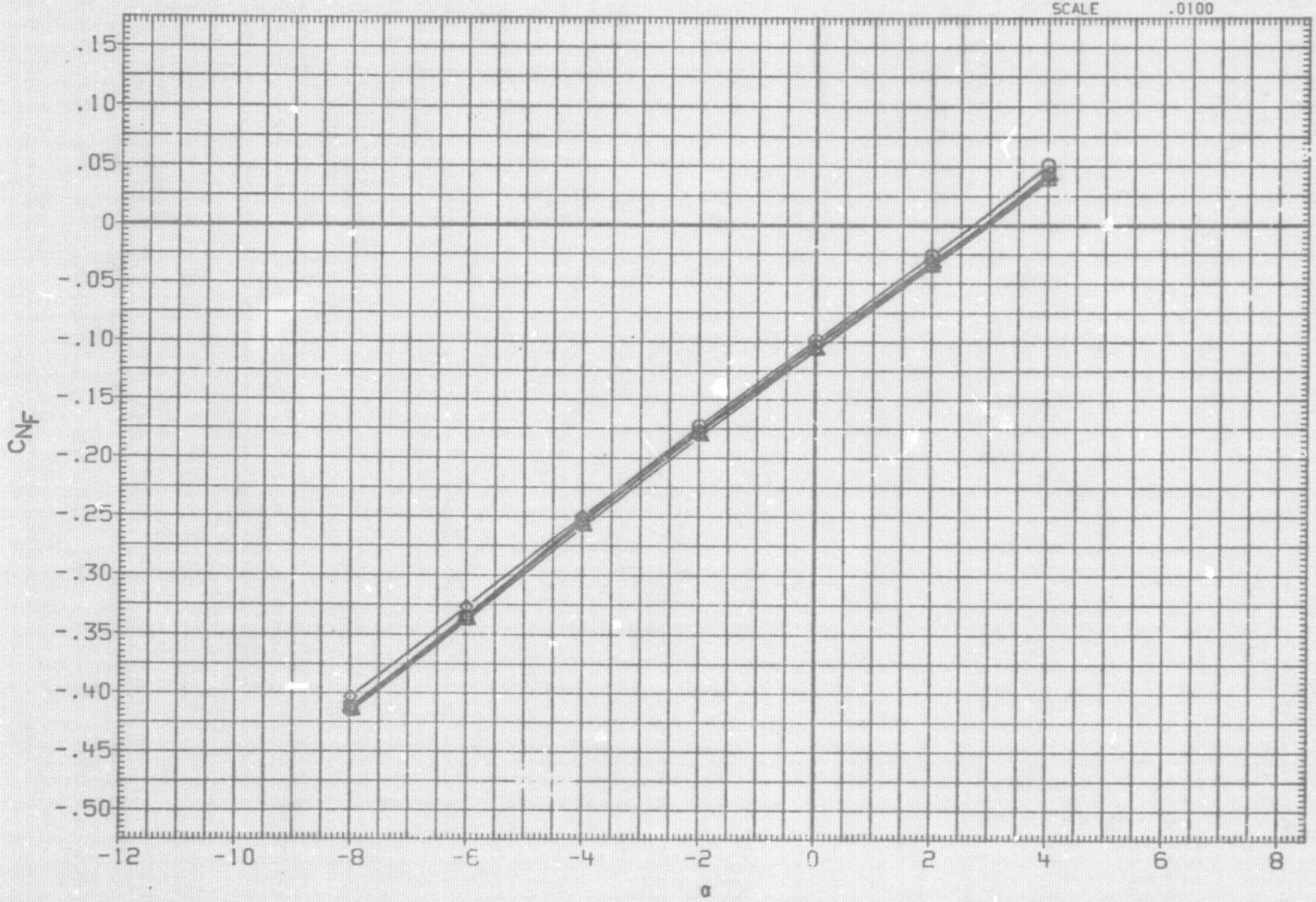


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW857	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJW858	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJW859	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJW860	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJW861	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

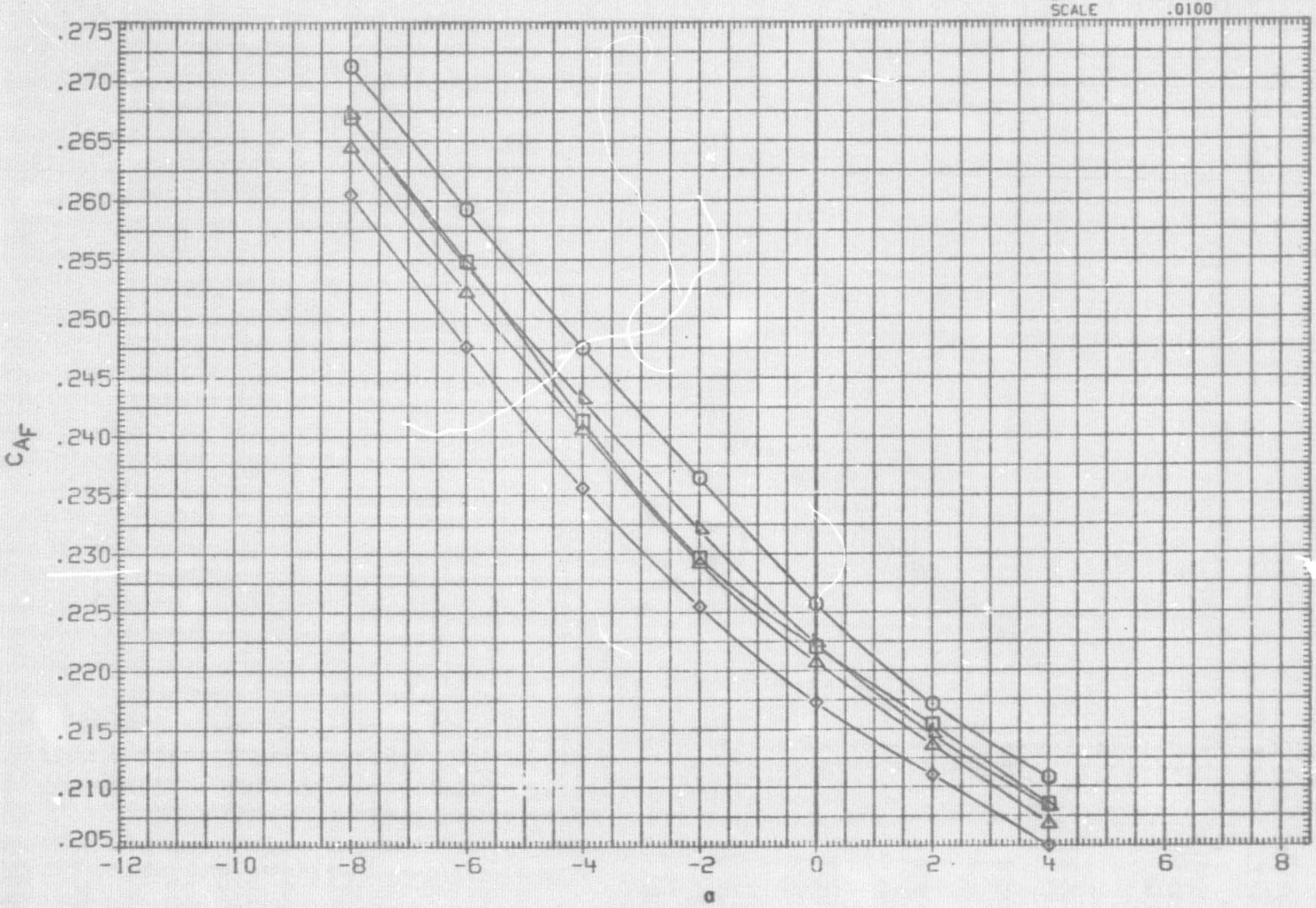


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

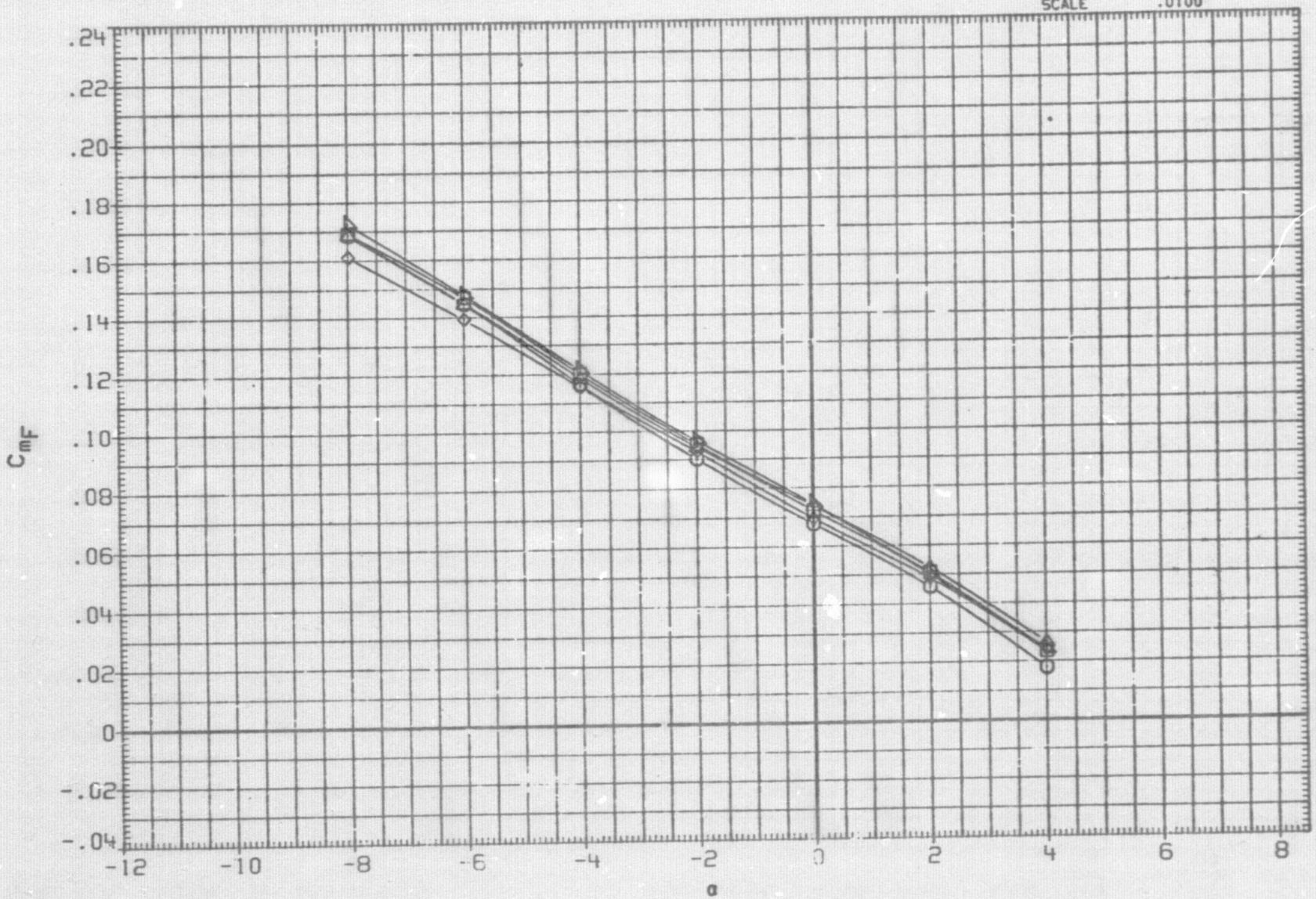


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

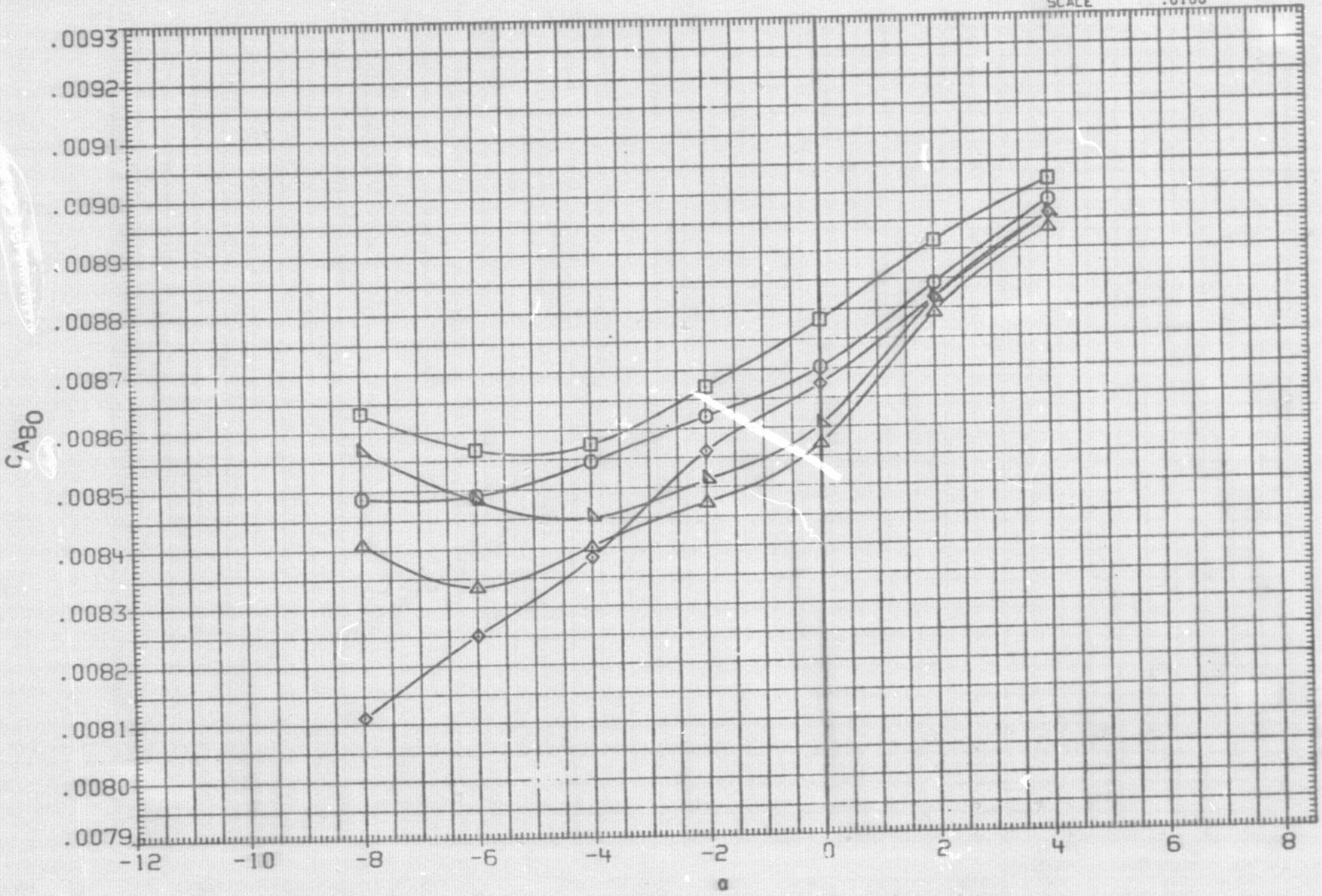


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

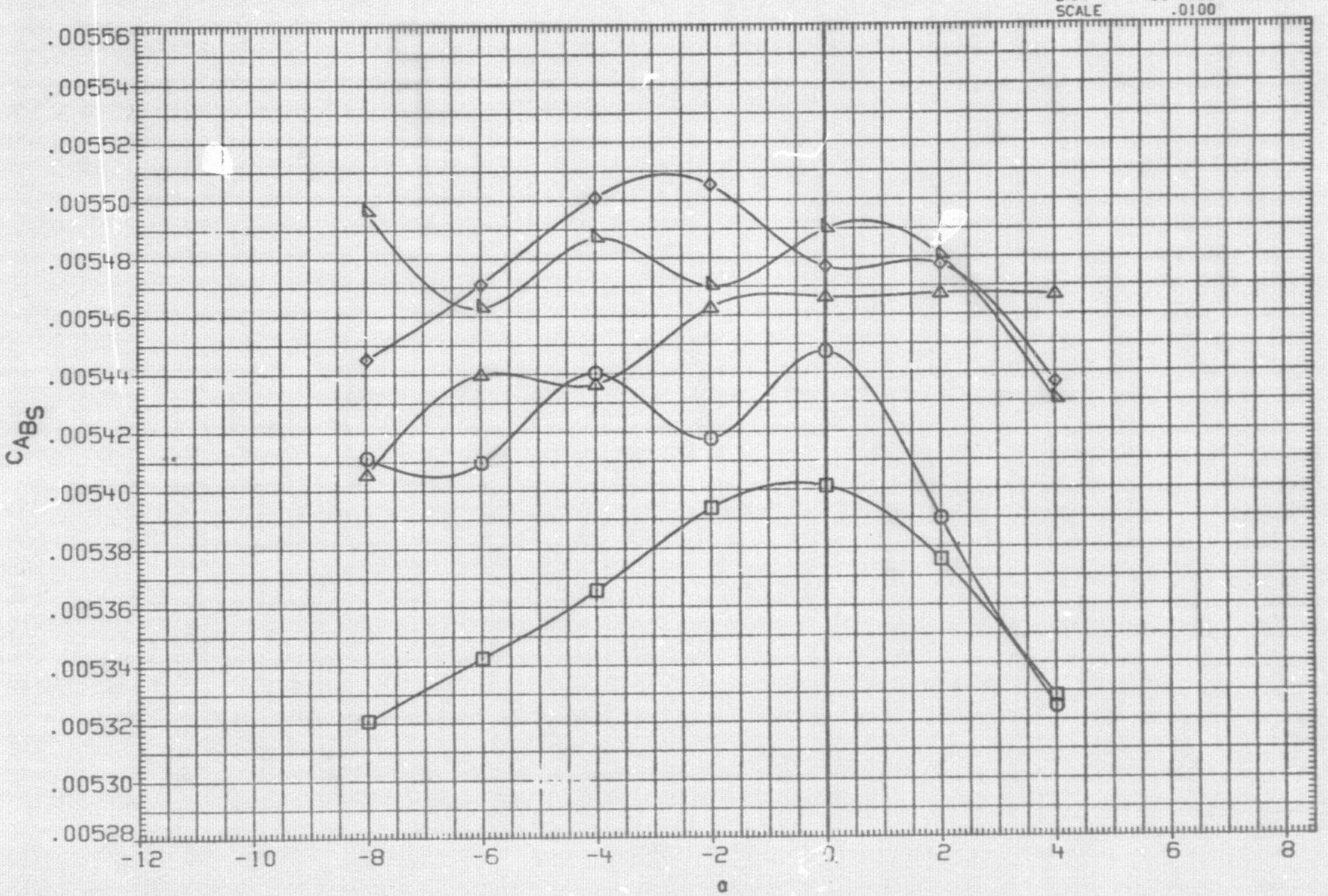


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

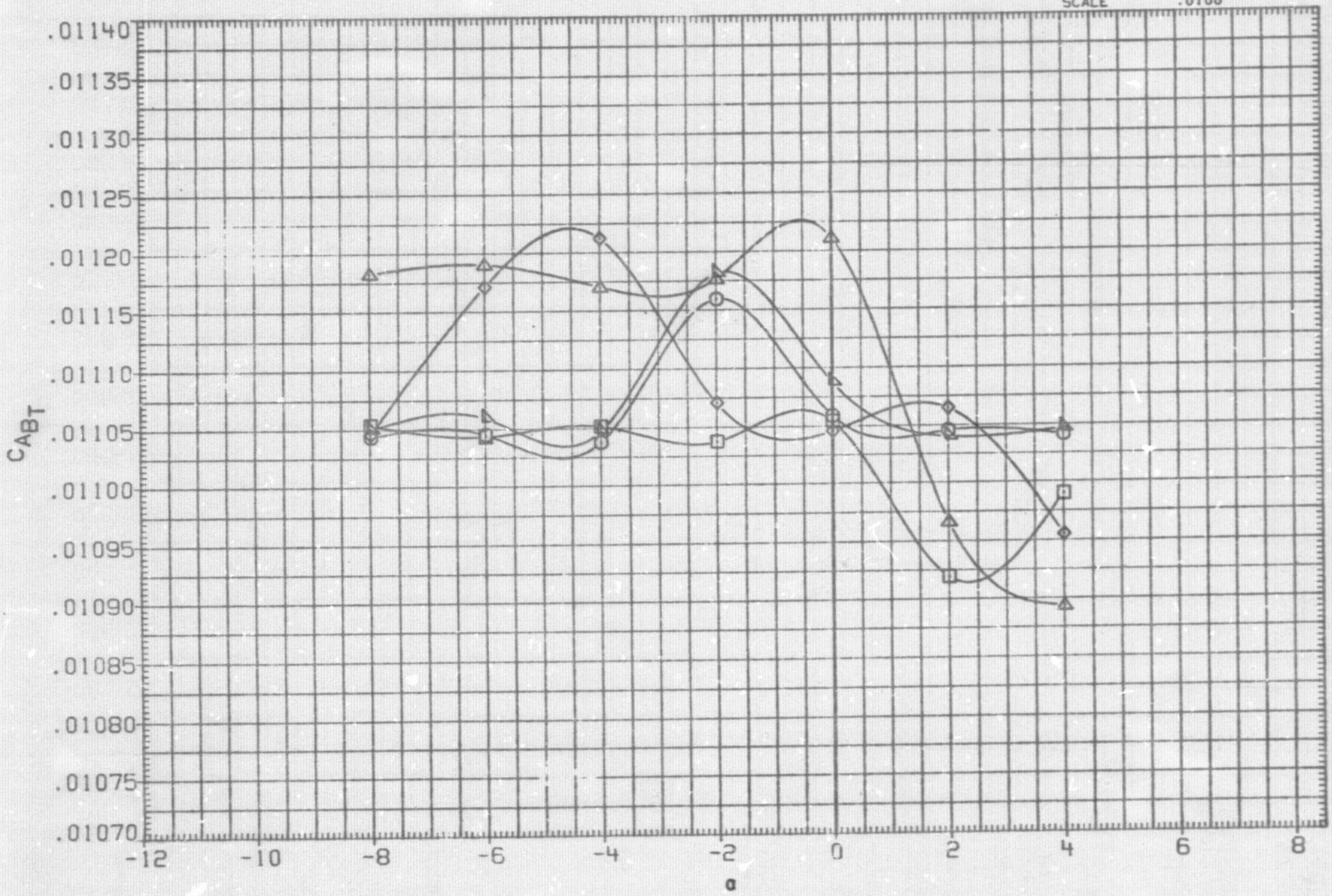


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB66	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB62	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWB63	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWB64	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWB65	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWB66	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

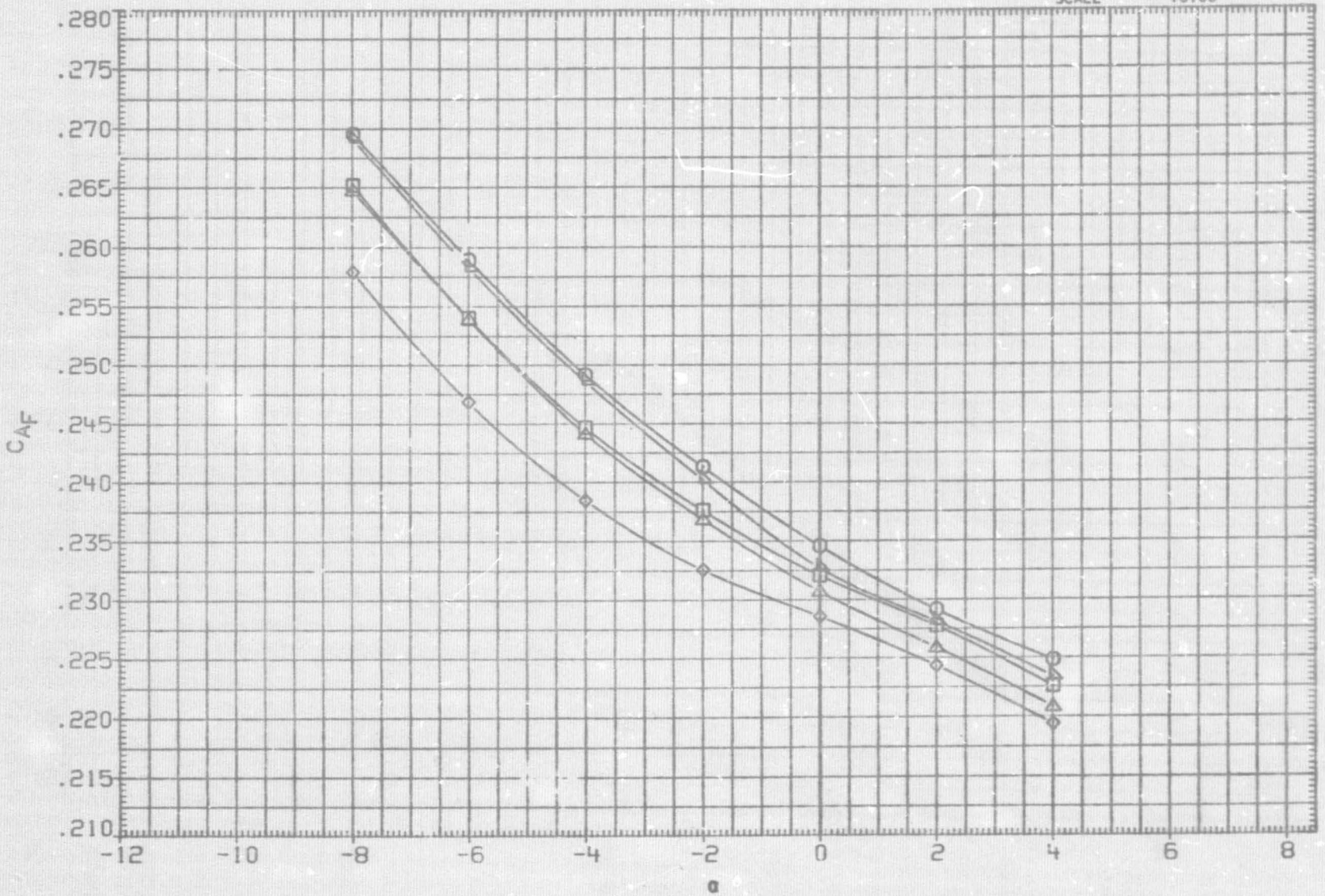


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB66	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

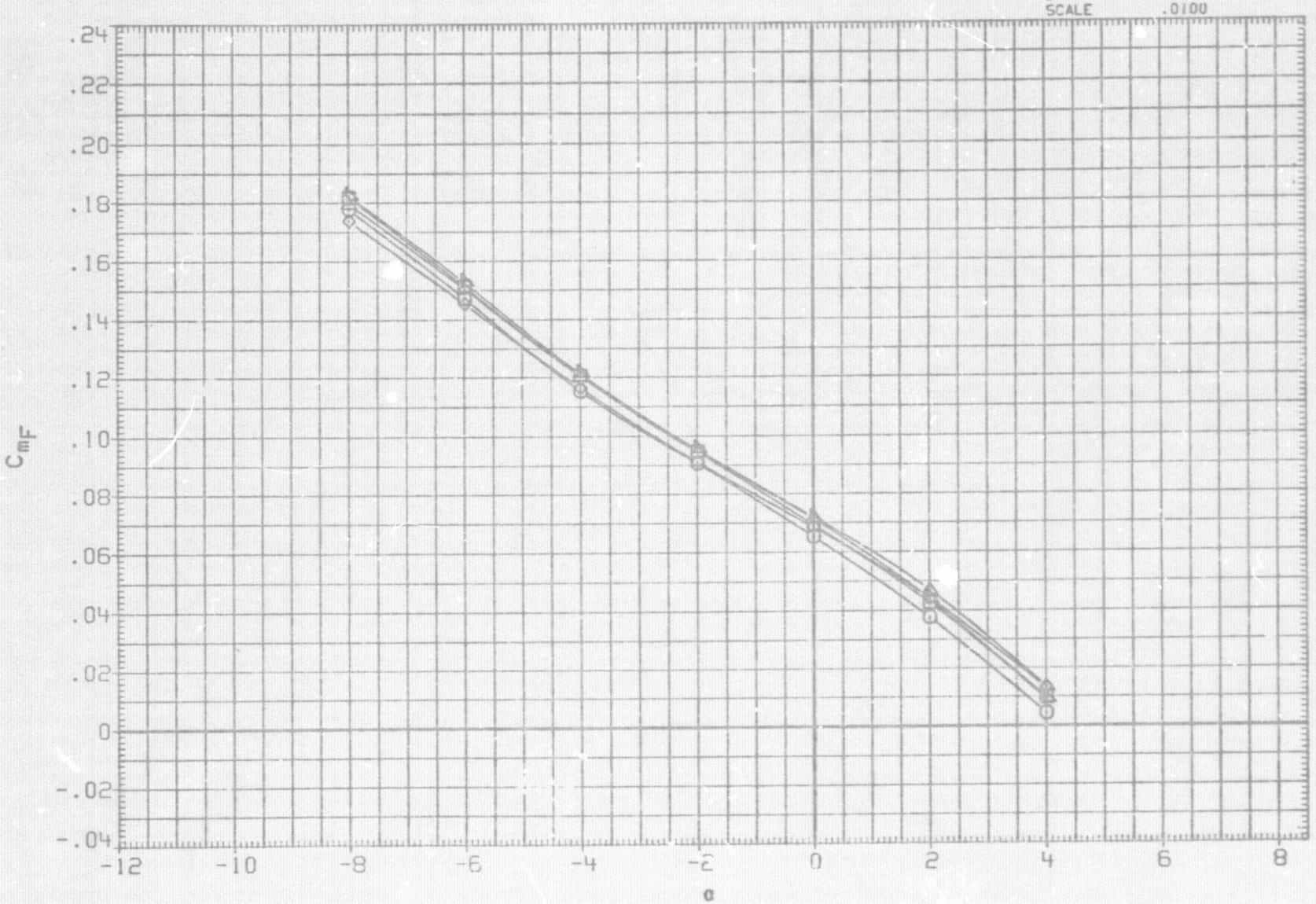


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWB66	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

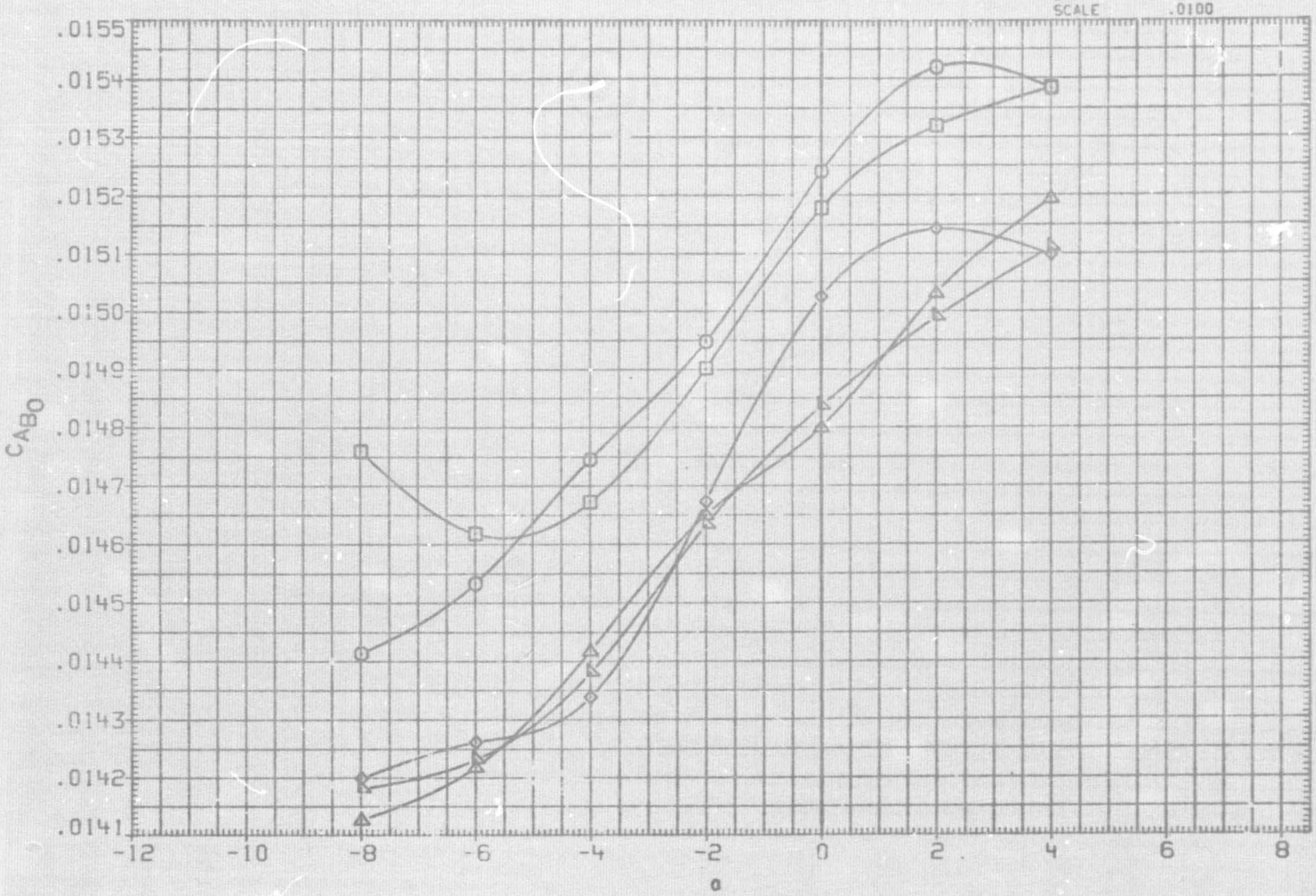


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(1A948) OTSAT130
MJWB63	□	LARC UPWT 1177(1A948) OTSAT130
MJWB64	◇	LARC UPWT 1177(1A948) OTSAT130
MJWB65	△	LARC UPWT 1177(1A948) OTSAT130
MJWB66	◁	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	1690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

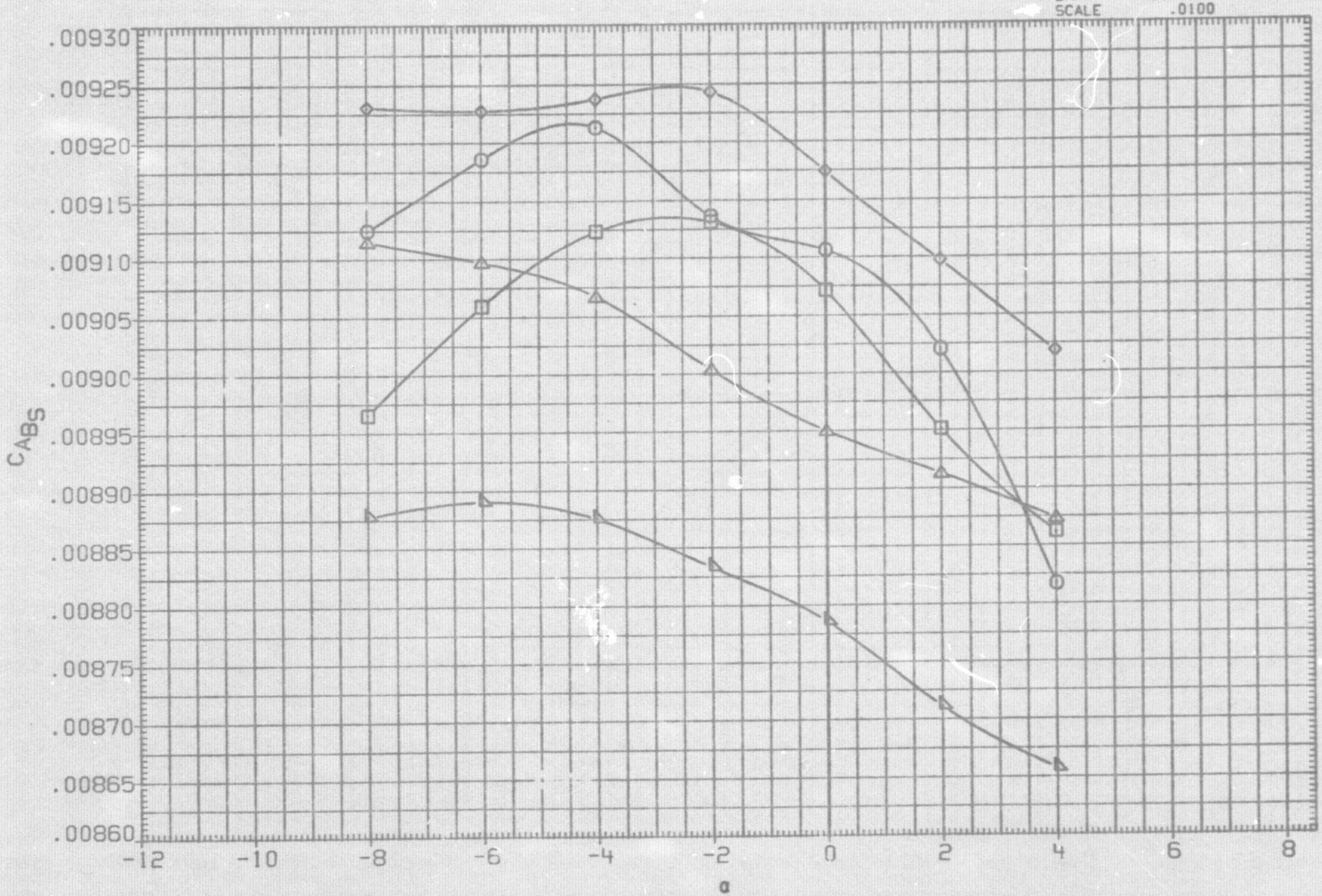


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW862	○	LARC UPWT 1177(IA948) OTSAT130	-6.000	12.000	.000	12.000	.000
MJW863	□	LARC UPWT 1177(IA948) OTSAT130	-4.000	12.000	.000	12.000	.000
MJW864	◇	LARC UPWT 1177(IA948) OTSAT130	.000	12.000	.000	12.000	.000
MJW865	△	LARC UPWT 1177(IA948) OTSAT130	4.000	12.000	.000	12.000	.000
MJW866	▽	LARC UPWT 1177(IA948) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

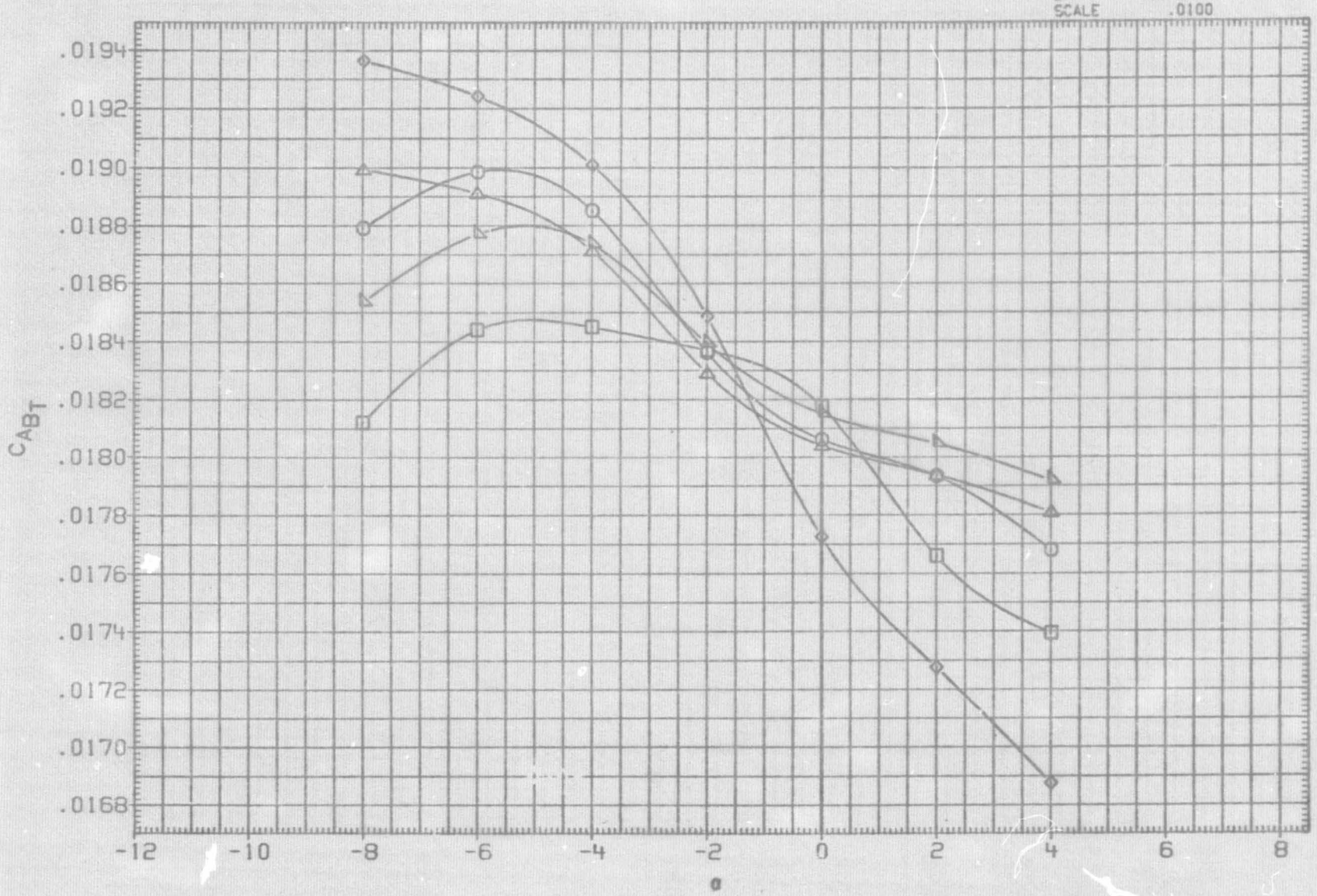


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB63	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB65	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB66	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

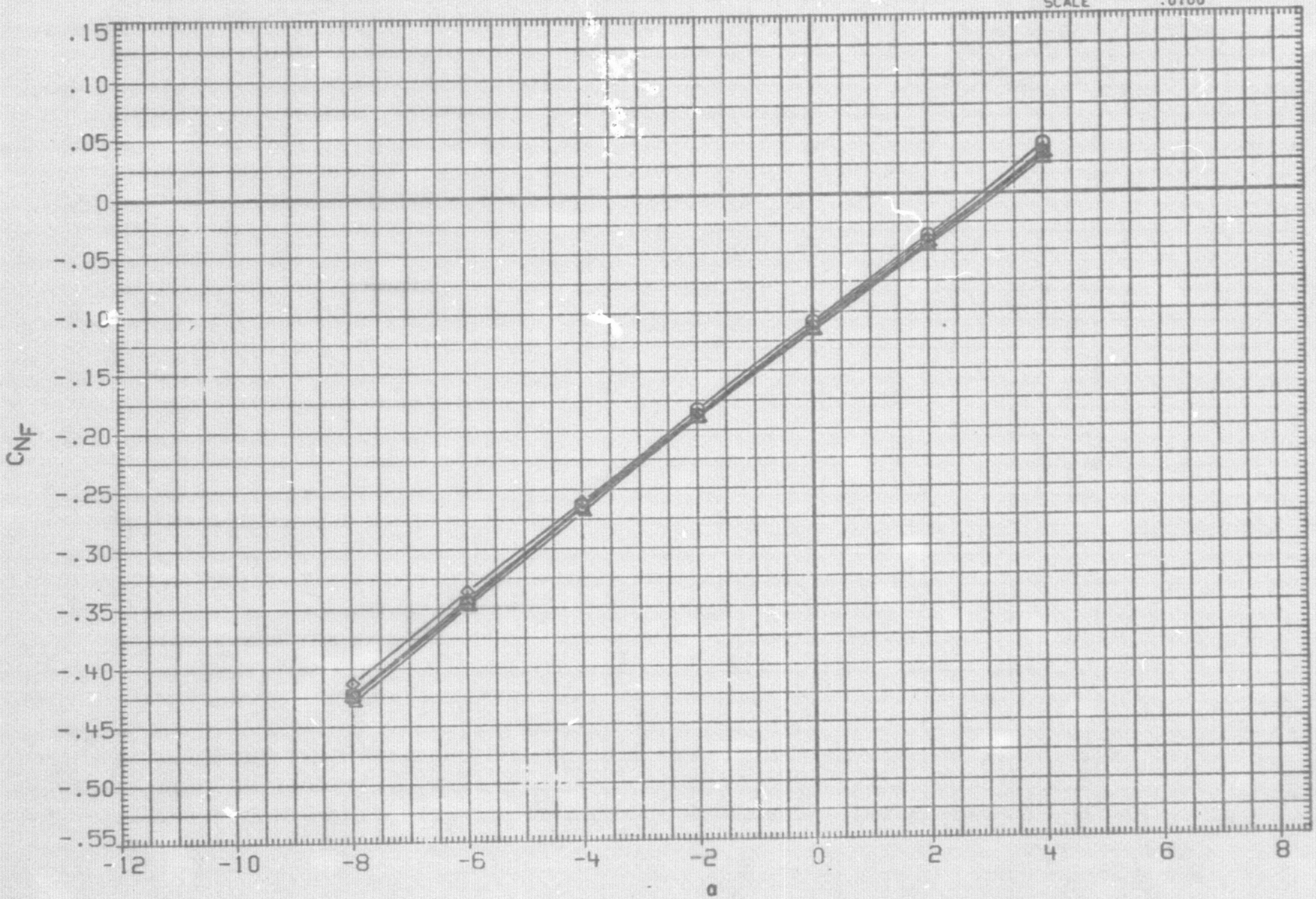


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW862	○	LARC UPWT 1177(1A94B) OTSAT130
MJW863	□	LARC UPWT 1177(1A94B) OTSAT130
MJW864	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW865	△	LARC UPWT 1177(1A94B) OTSAT130
MJW866	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

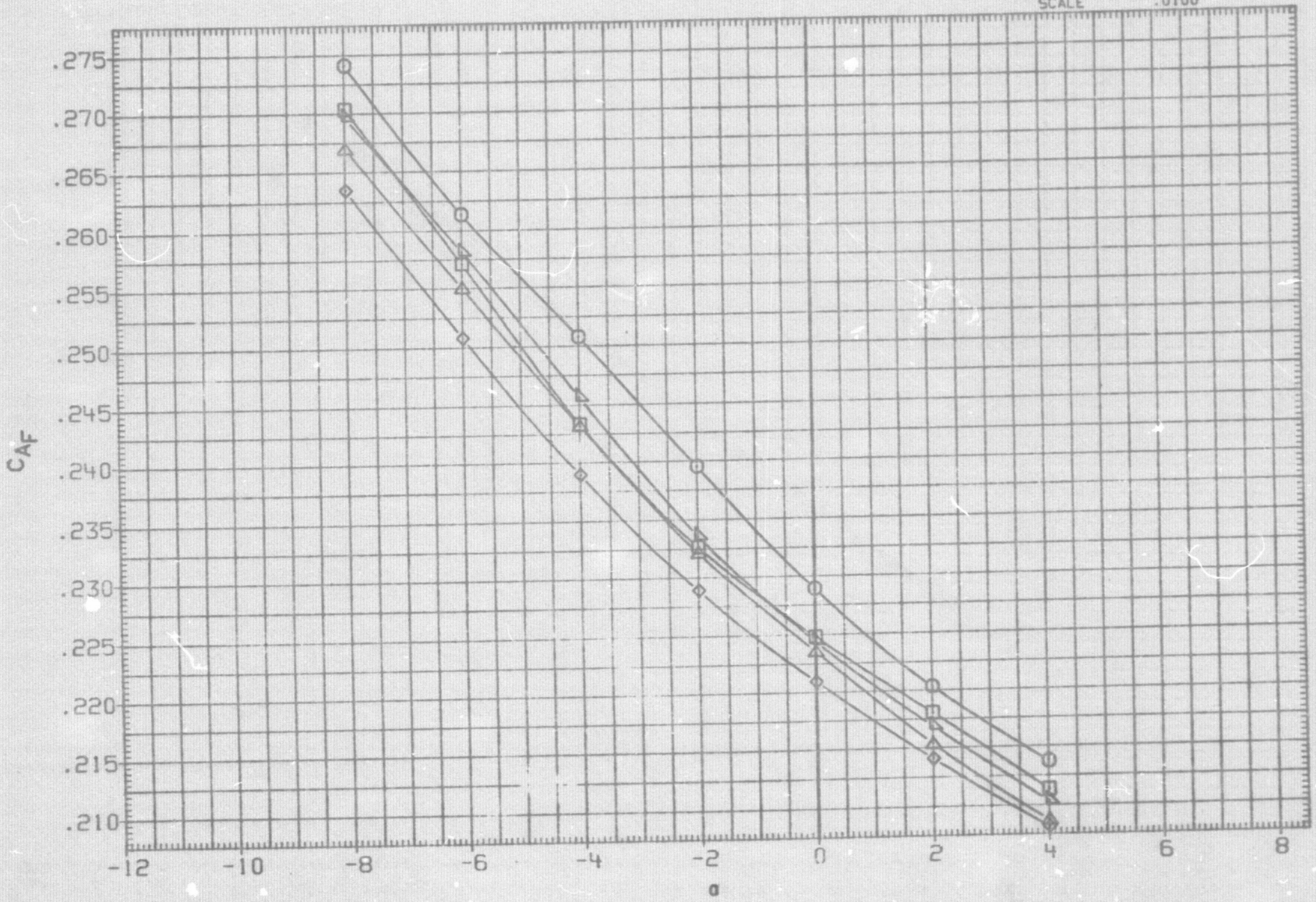


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB66	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

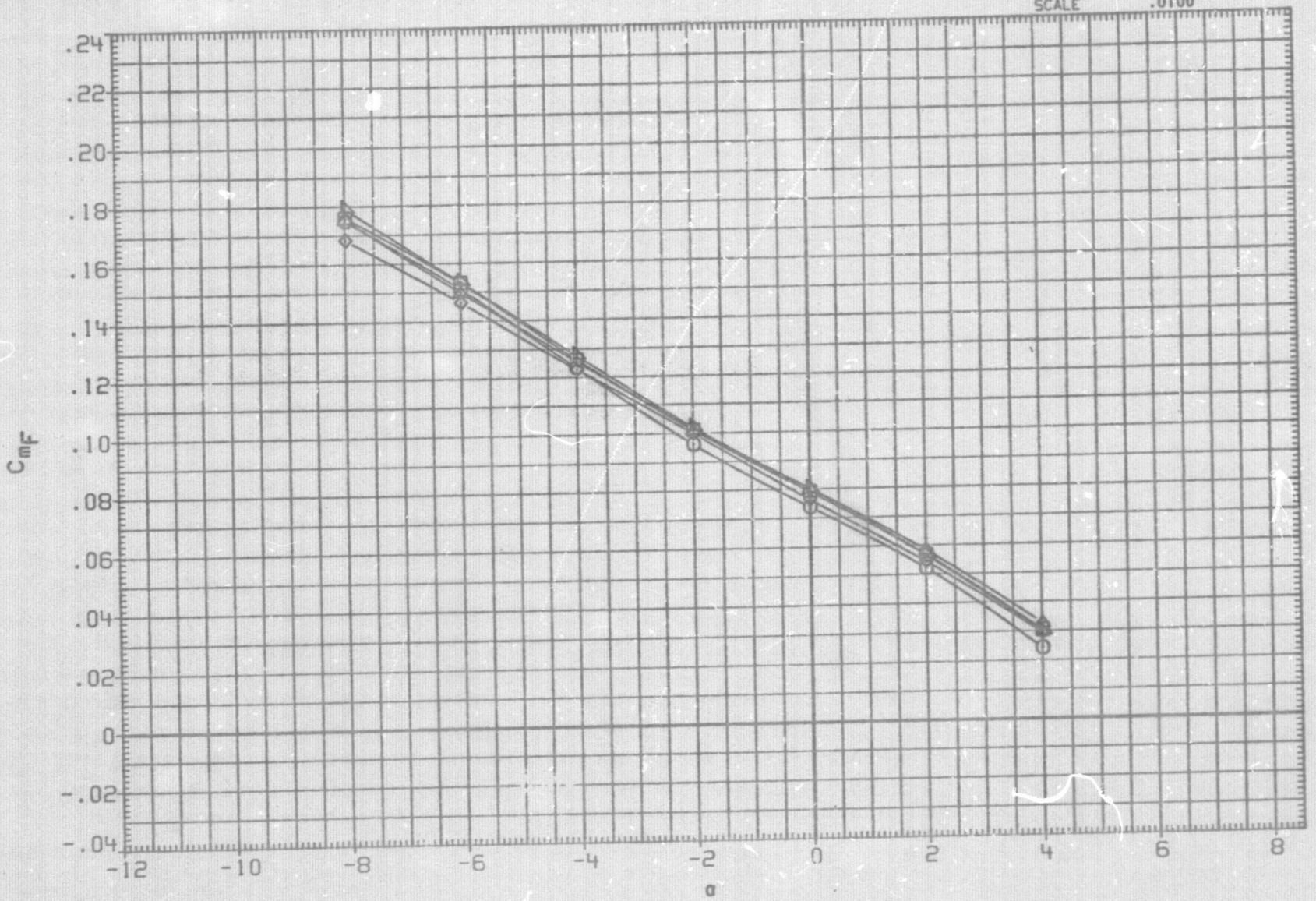


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW862	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJW863	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJW864	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	.000	12.000	.000
MJW865	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJW866	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

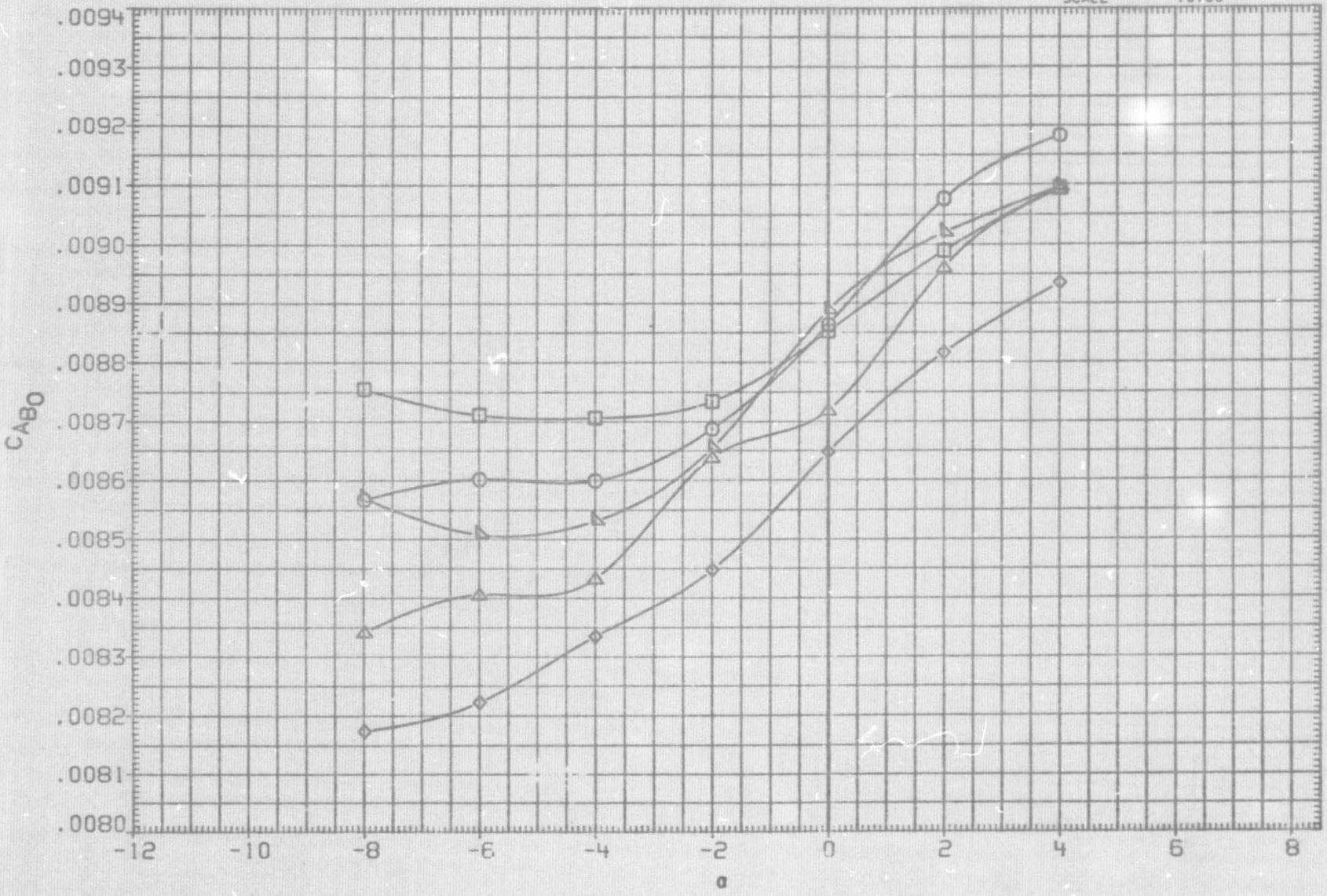


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW862	○	LARC UPWT 1177(1A94B) OTSAT130
MJW863	□	LARC UPWT 1177(1A94B) OTSAT130
MJW864	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW865	△	LARC UPWT 1177(1A94B) OTSAT130
MJW366	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

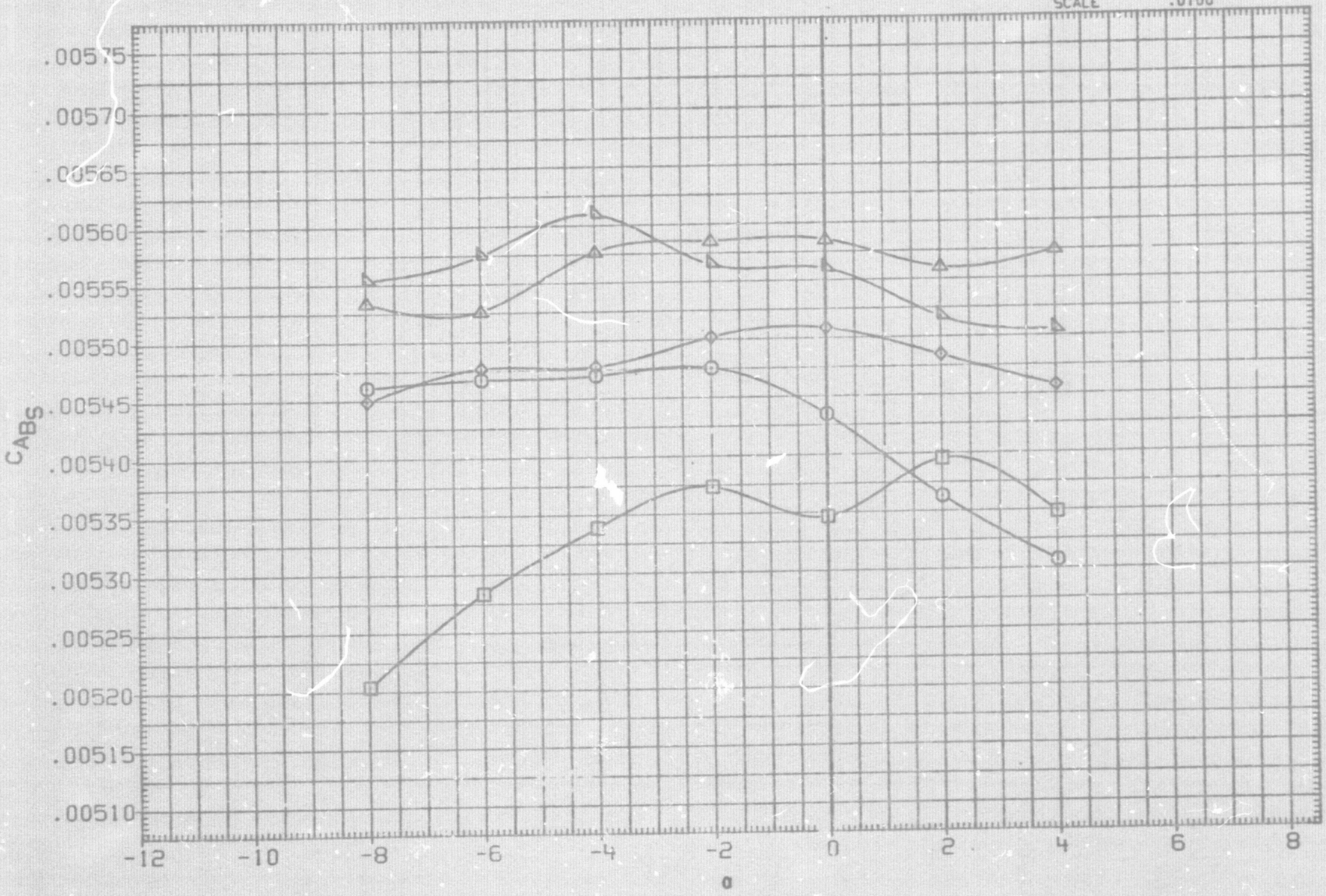


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW862	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJW863	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJW864	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJW865	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJW866	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	30.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	975.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

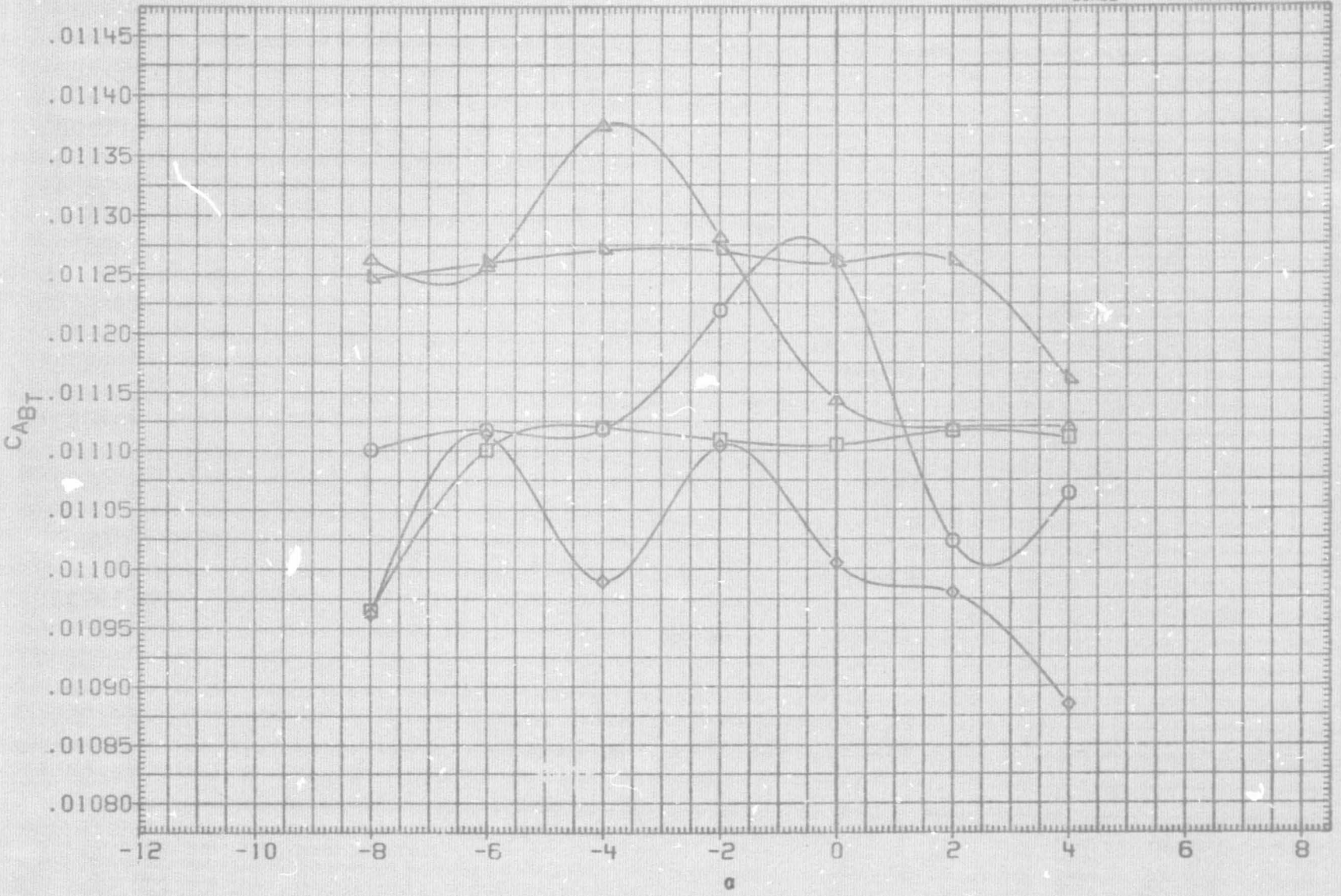


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB71	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB71	△	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

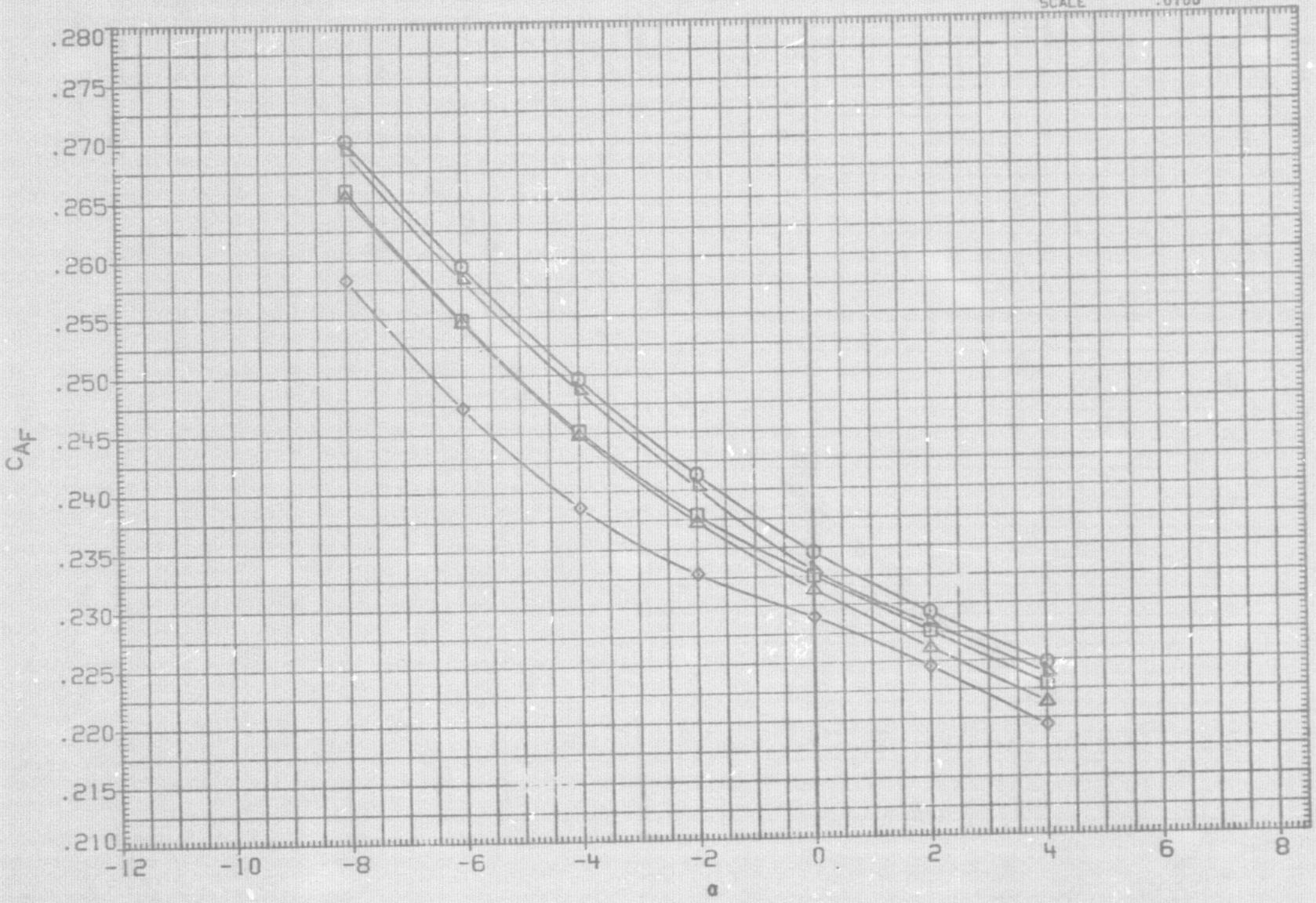


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB71	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

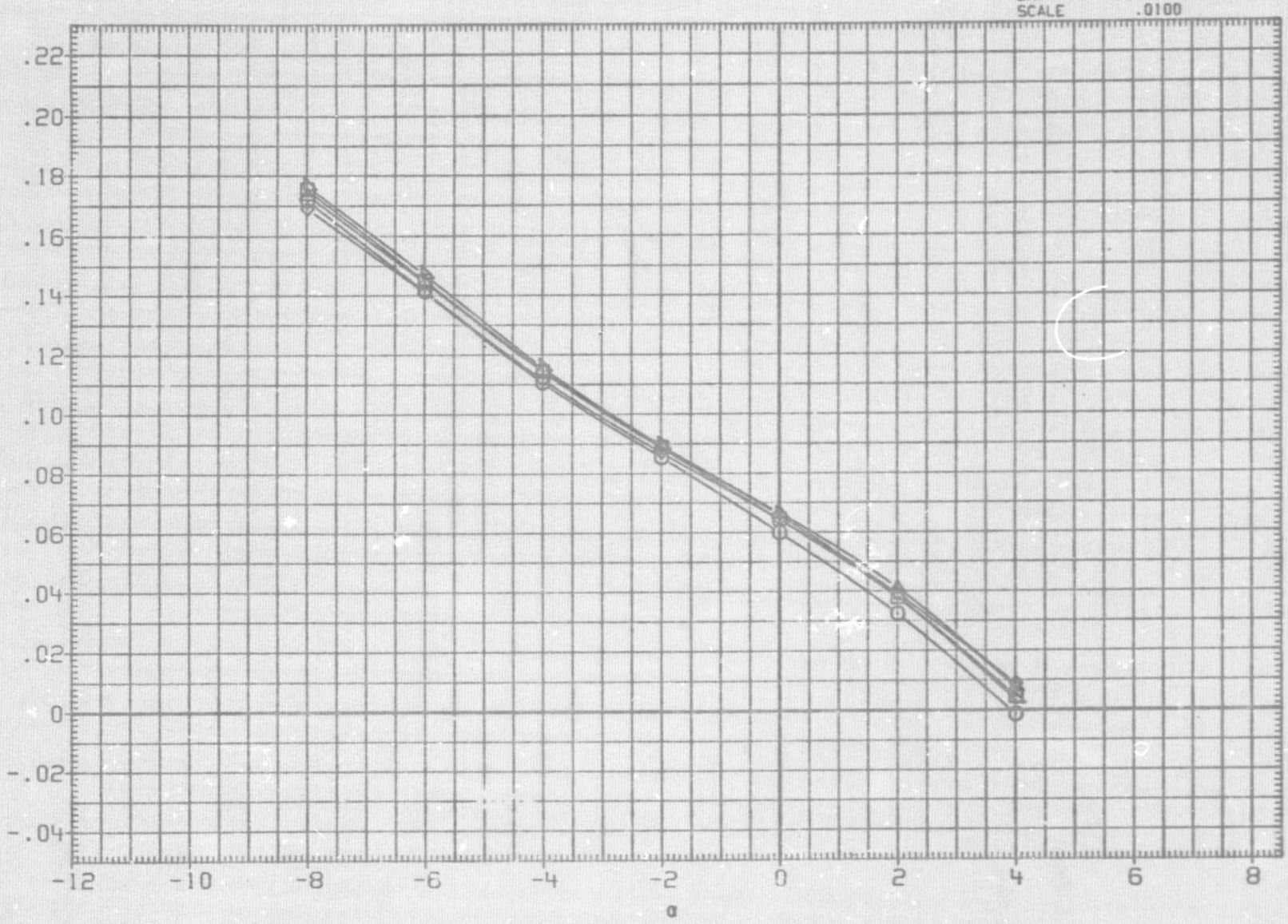


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

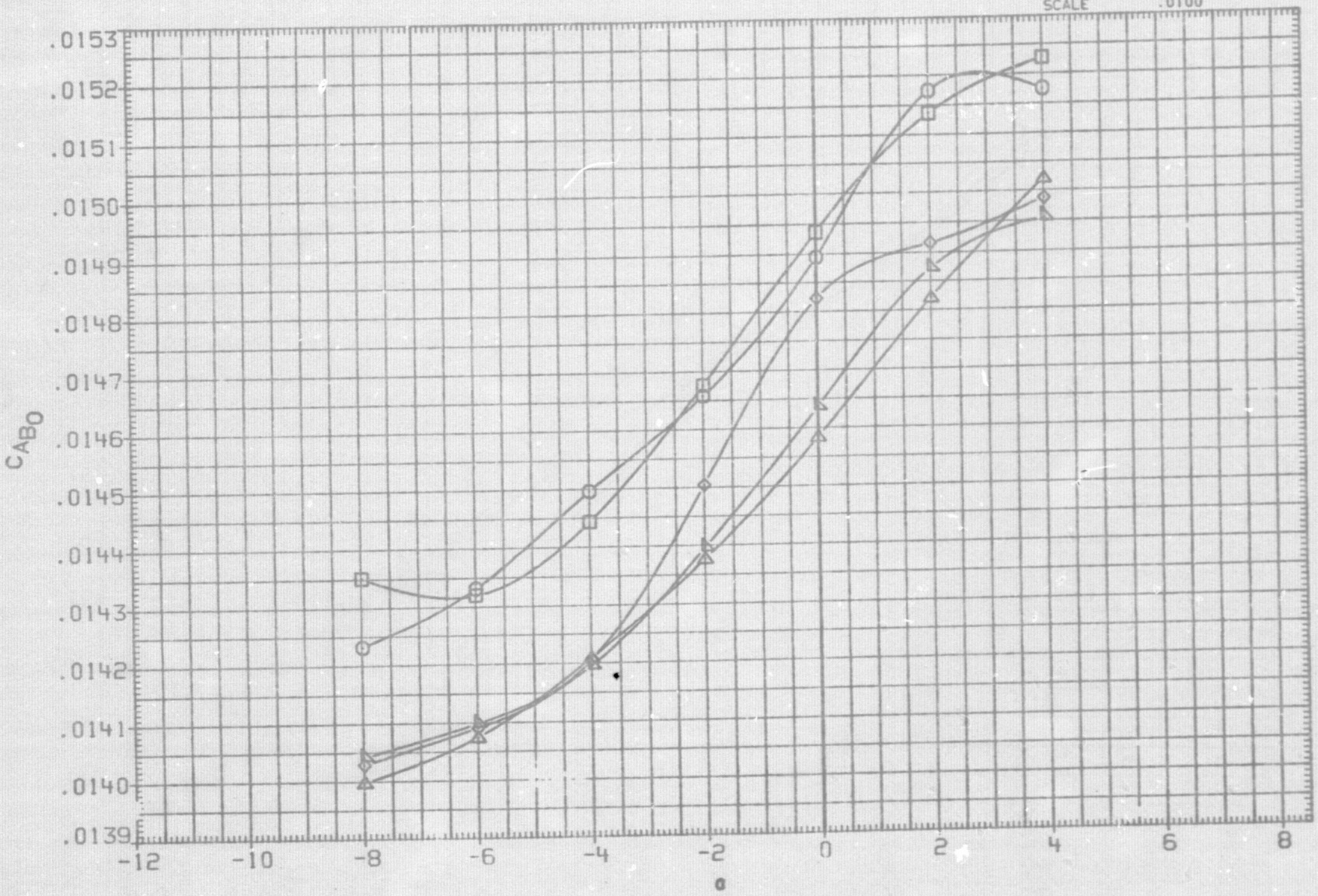


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

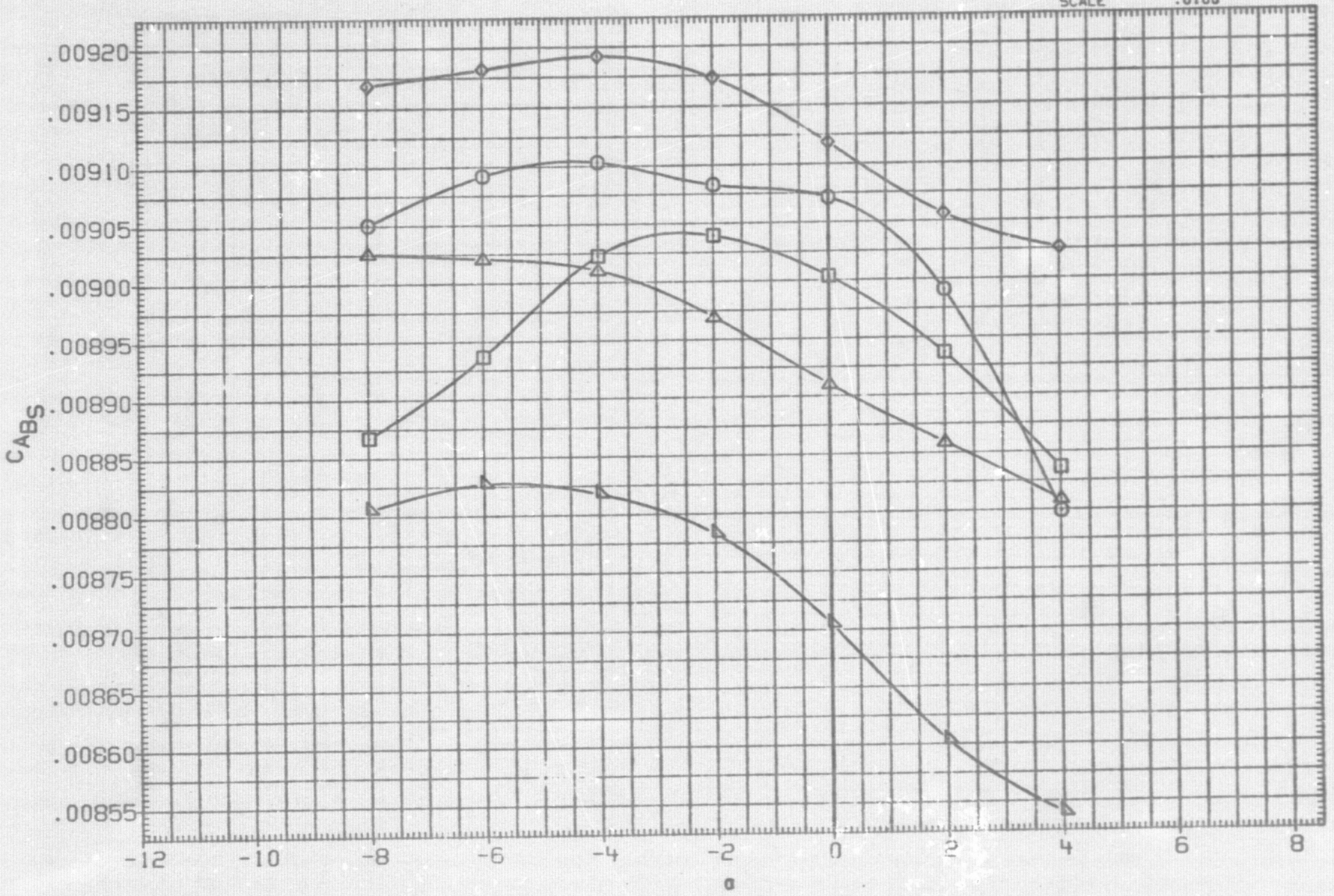


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB71	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

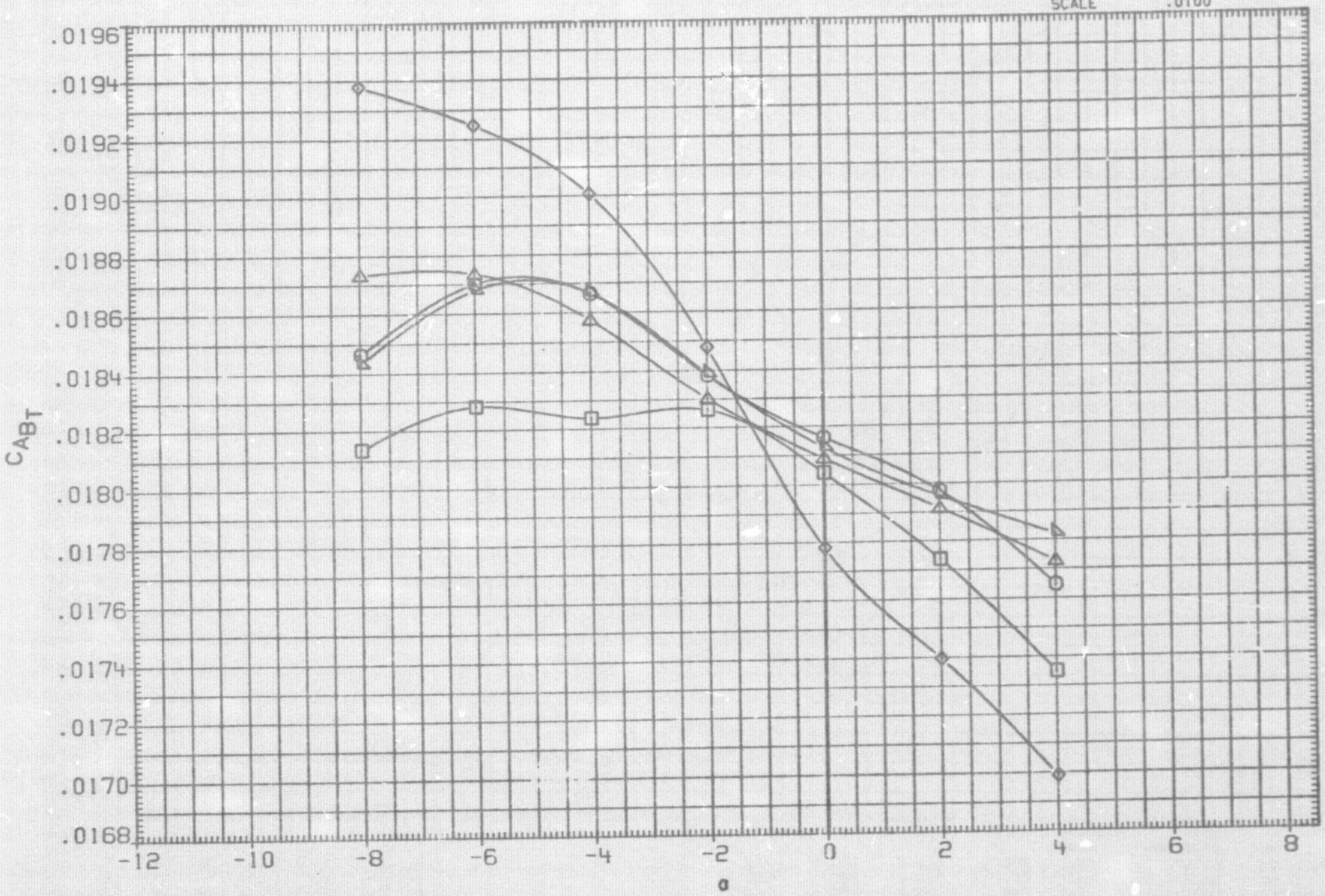


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

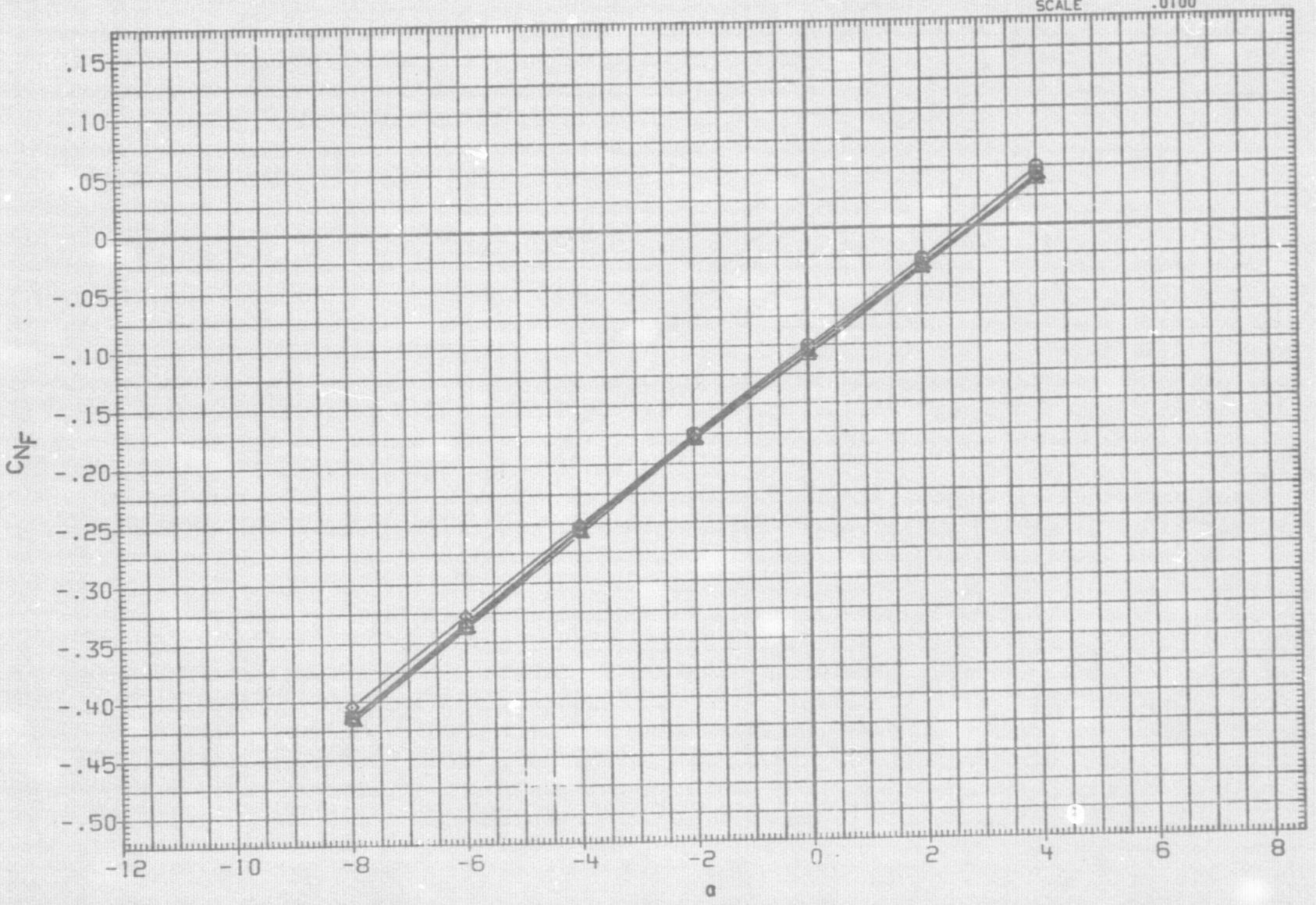


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW867	○	LARC UPWT 1177(IA948) OTSAT130
MJW868	□	LARC UPWT 1177(IA948) OTSAT130
MJW869	◇	LARC UPWT 1177(IA948) OTSAT130
MJW870	△	LARC UPWT 1177(IA948) OTSAT130
MJW871	◁	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

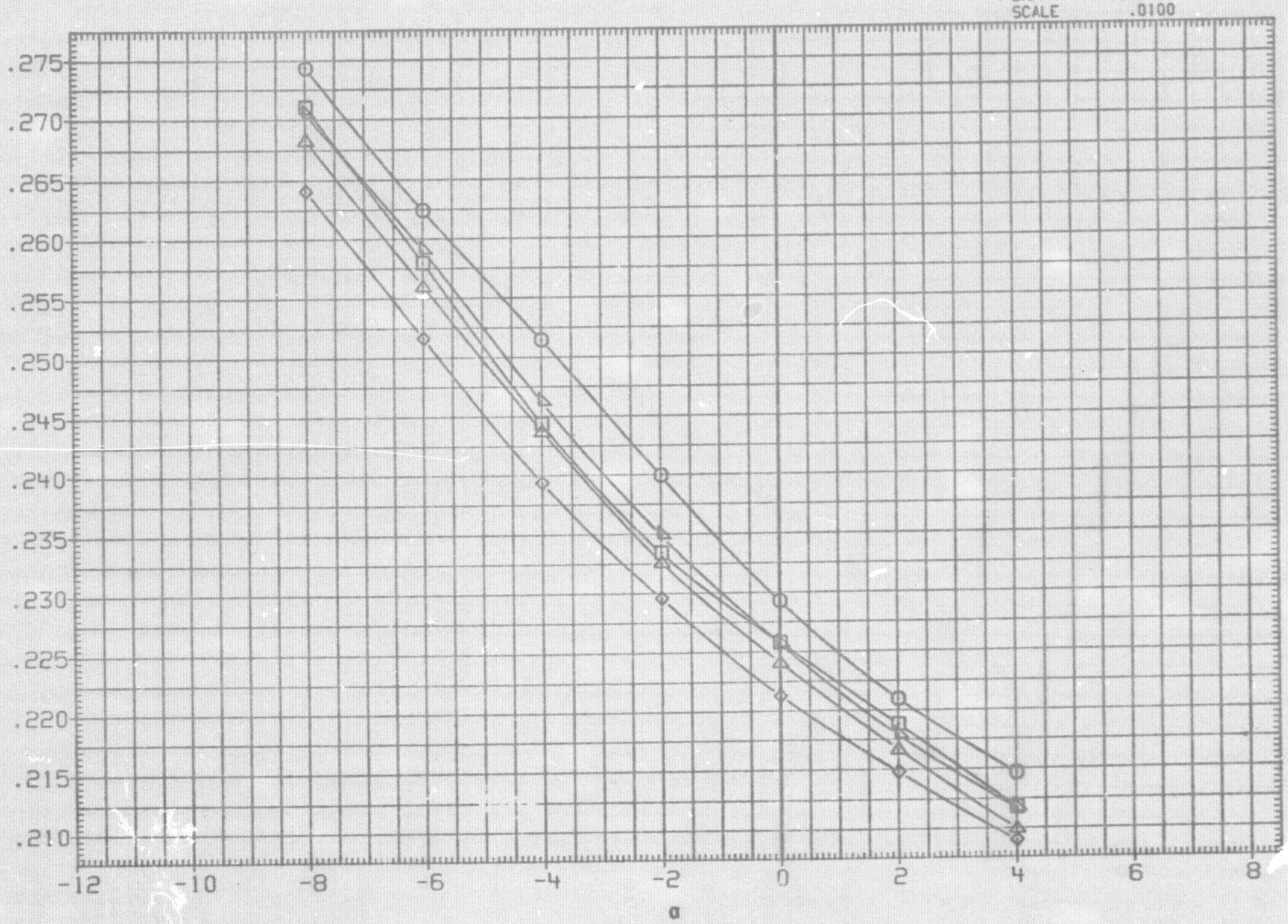


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

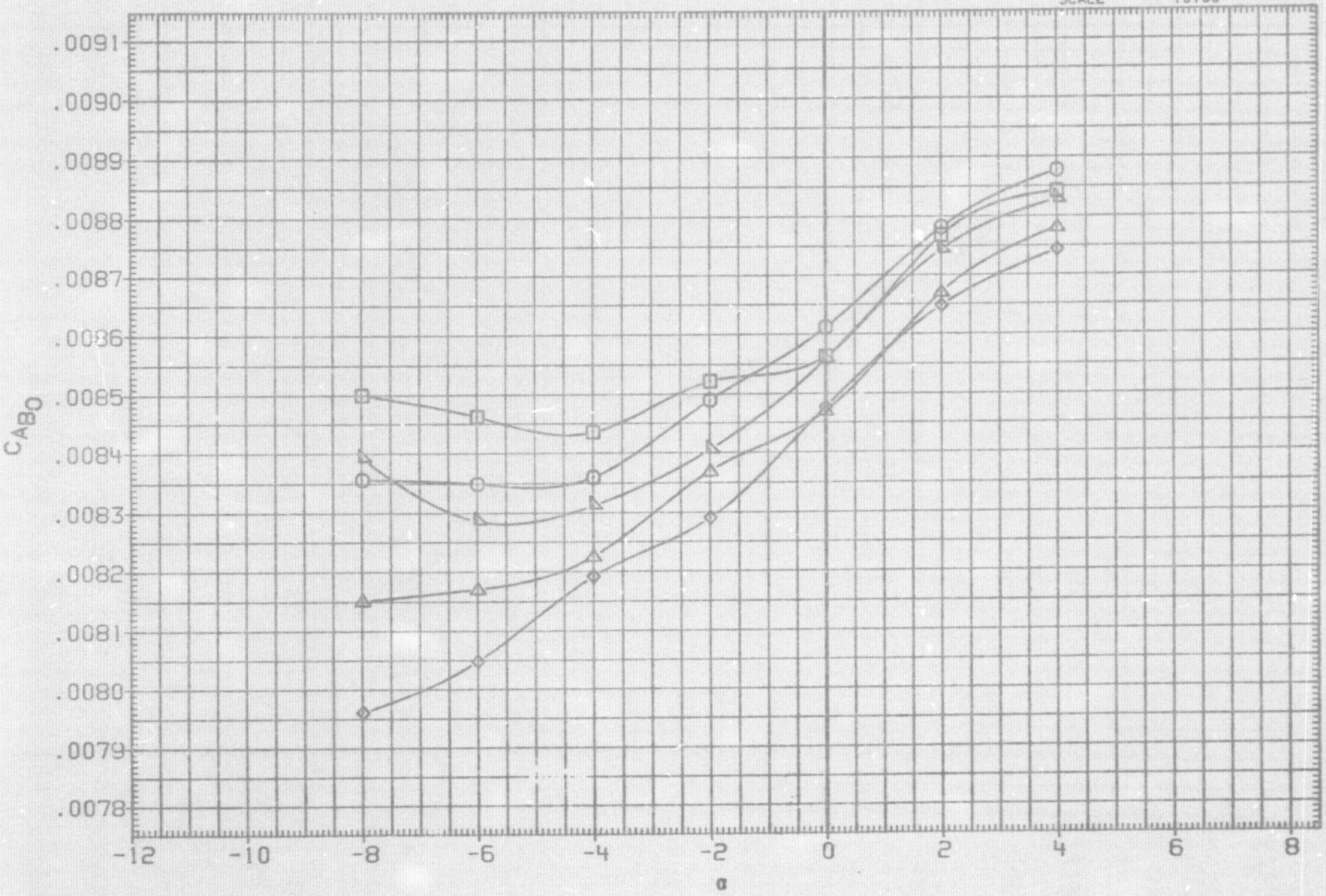


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW867	○	LARC UPWT 1177(1A94B) OTSAT130
MJW868	□	LARC UPWT 1177(1A94B) OTSAT130
MJW869	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW870	△	LARC UPWT 1177(1A94B) OTSAT130
MJW871	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

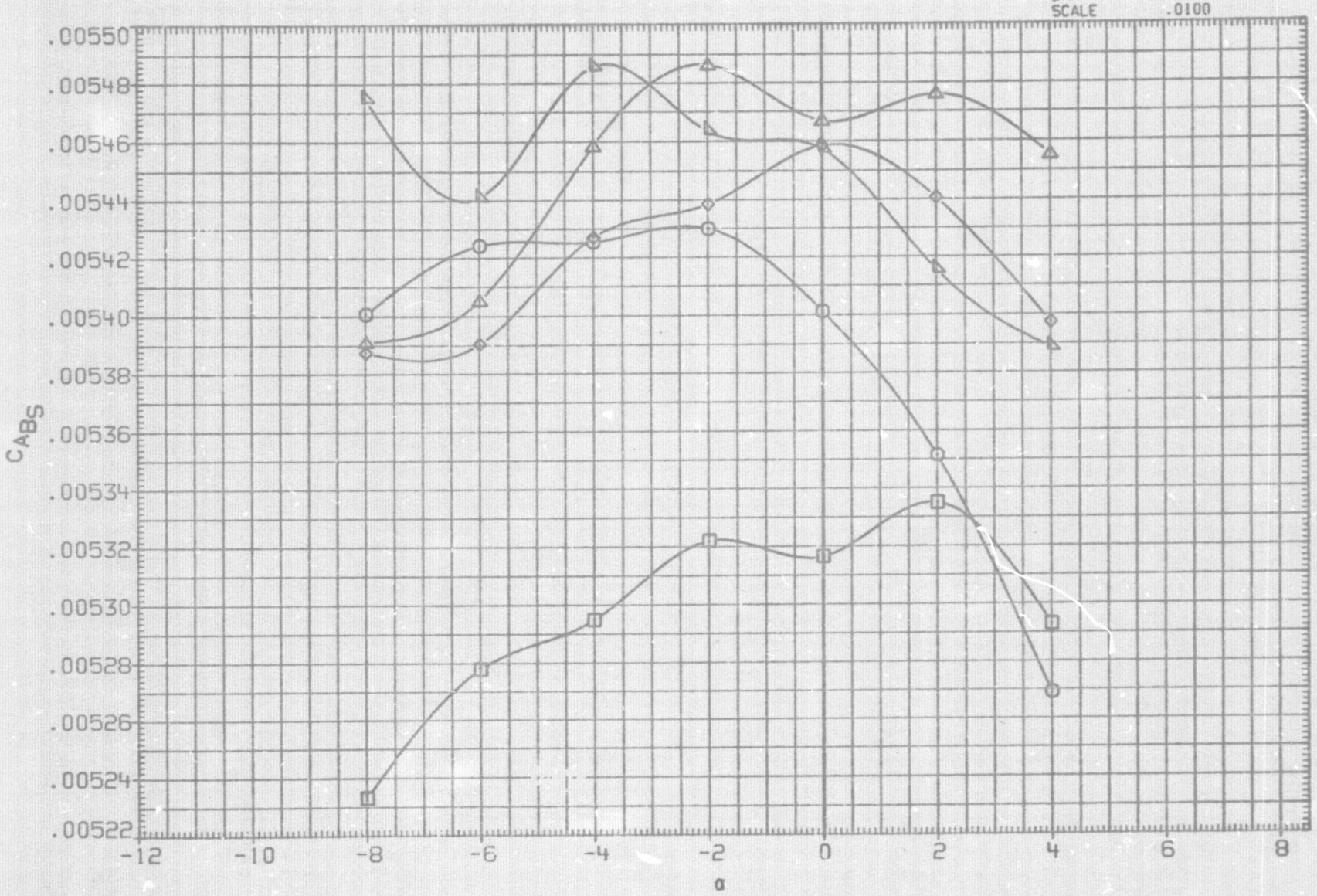


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

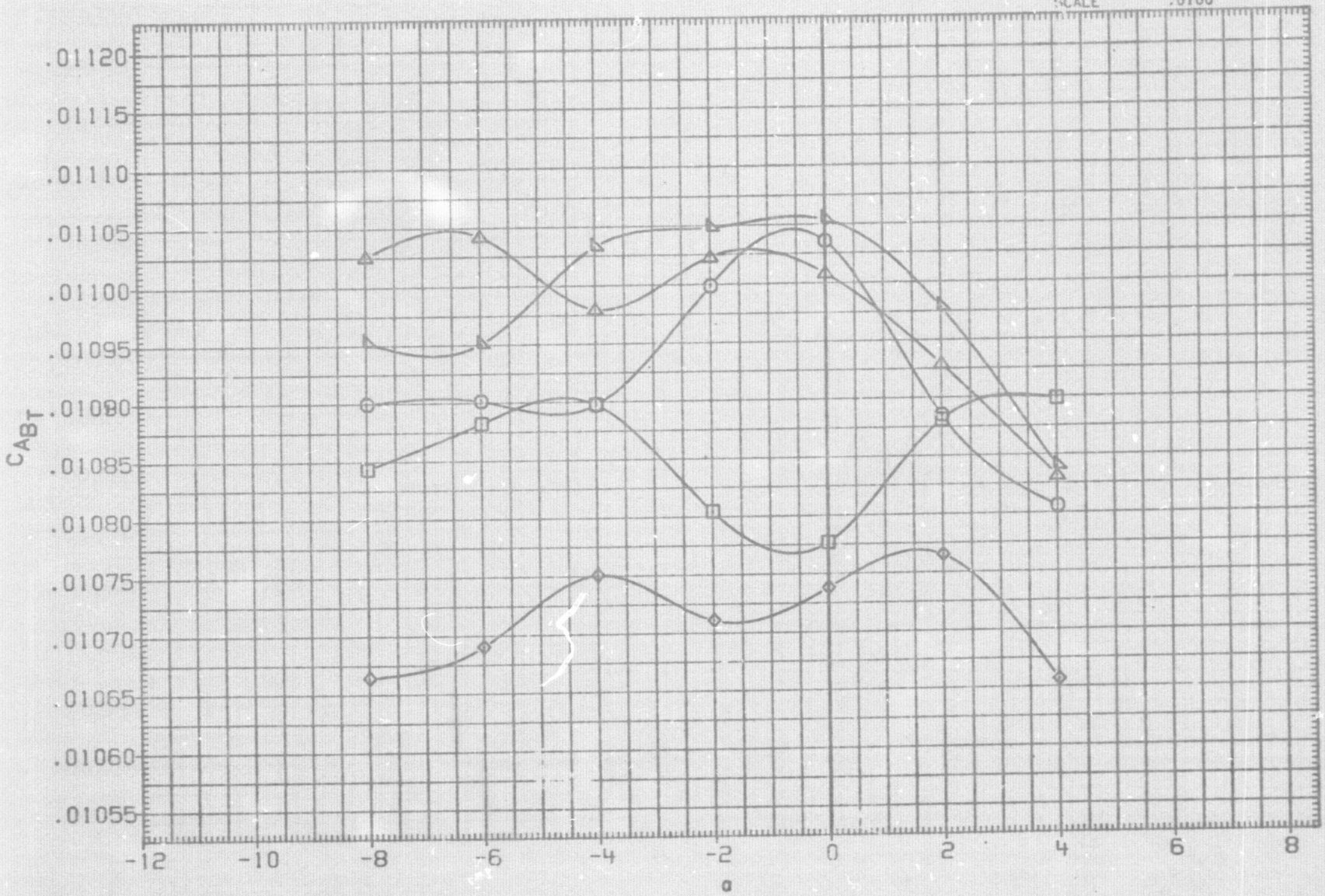


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW872	○	LARC UPWT 1177(IA94B) OTSAT130
MJW873	□	LARC UPWT 1177(IA94B) OTSAT130
MJW874	◇	LARC UPWT 1177(IA94B) OTSAT130
MJW875	△	LARC UPWT 1177(IA94B) OTSAT130
MJW876	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB76	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

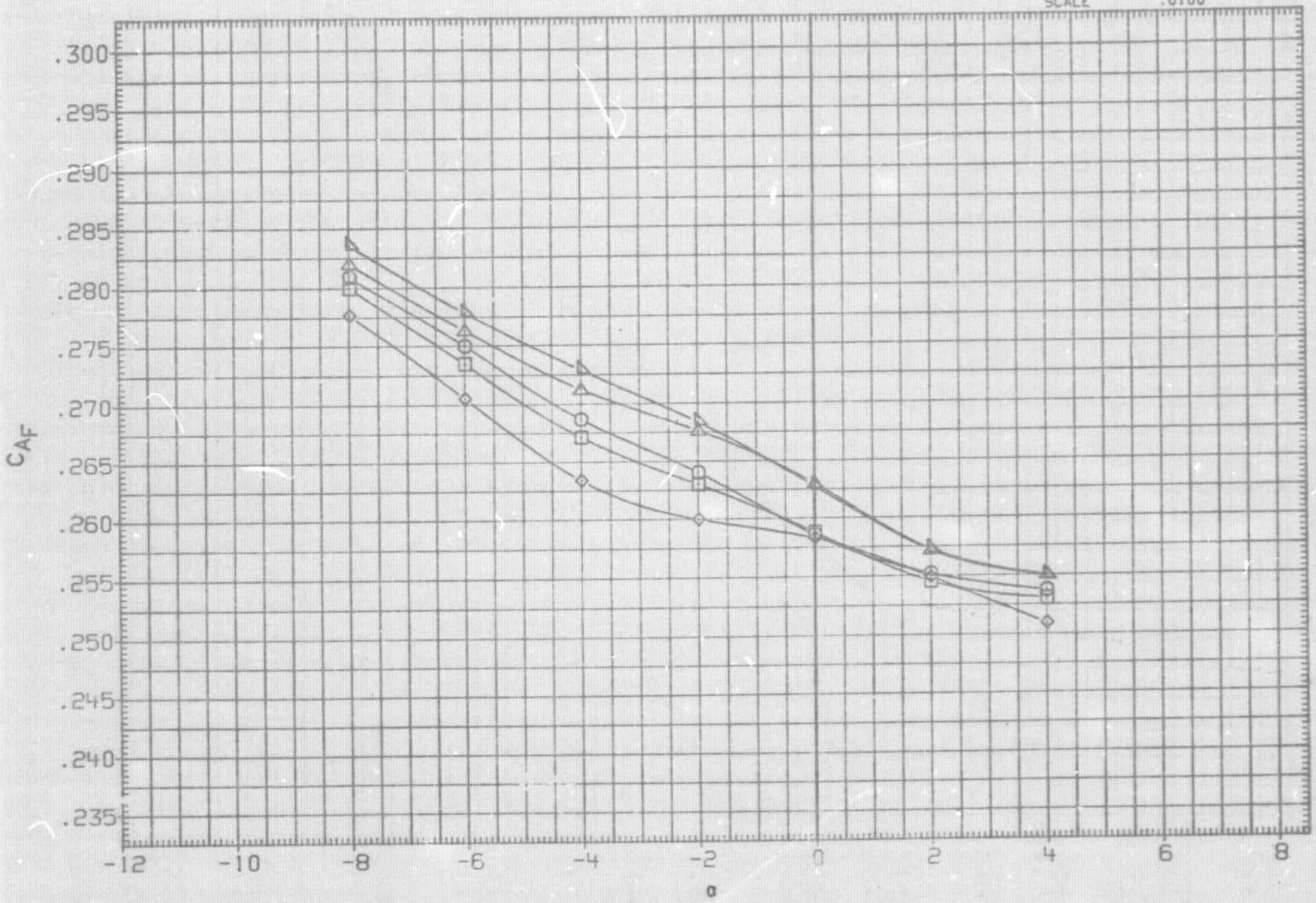


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB76	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

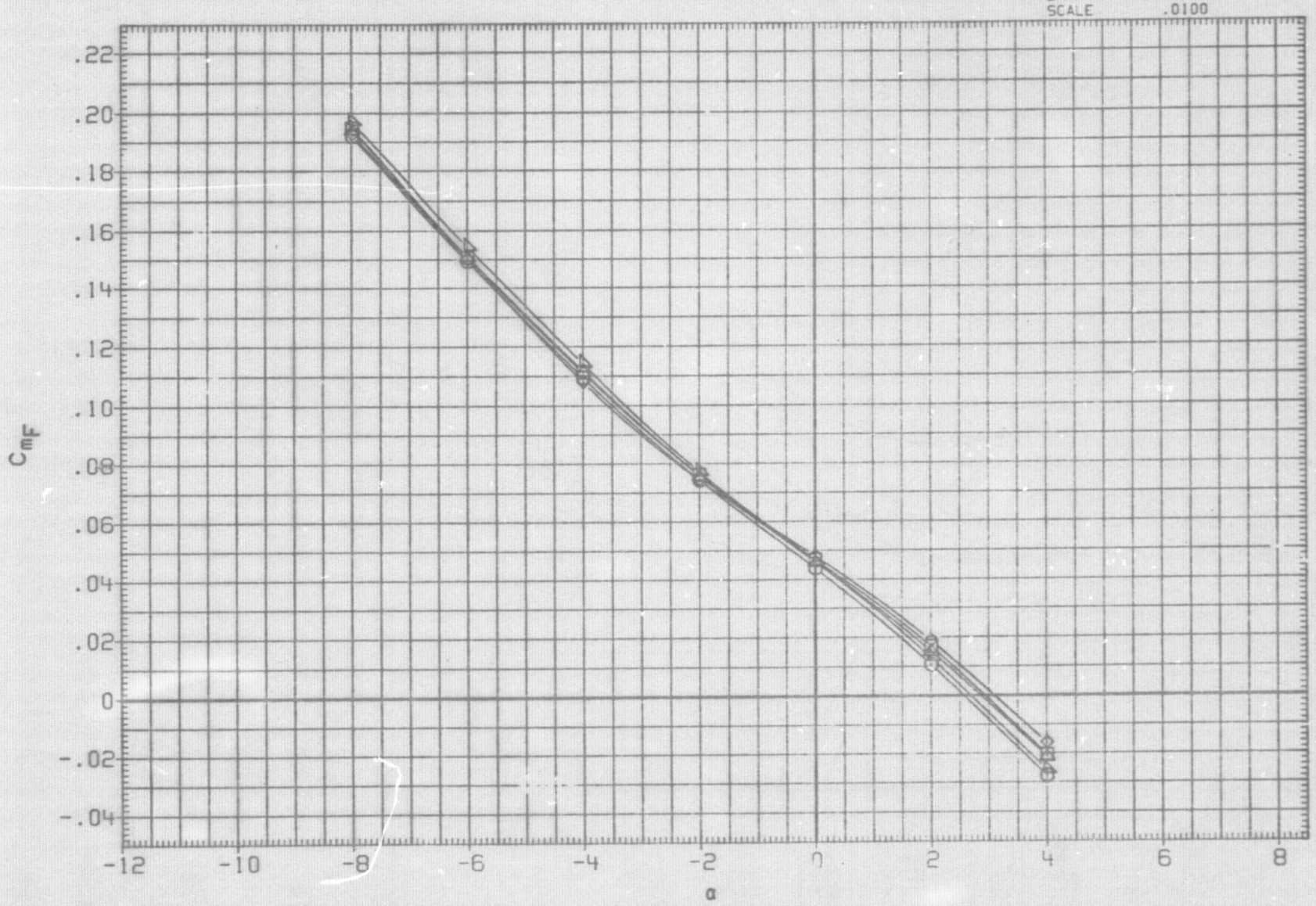


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB76	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

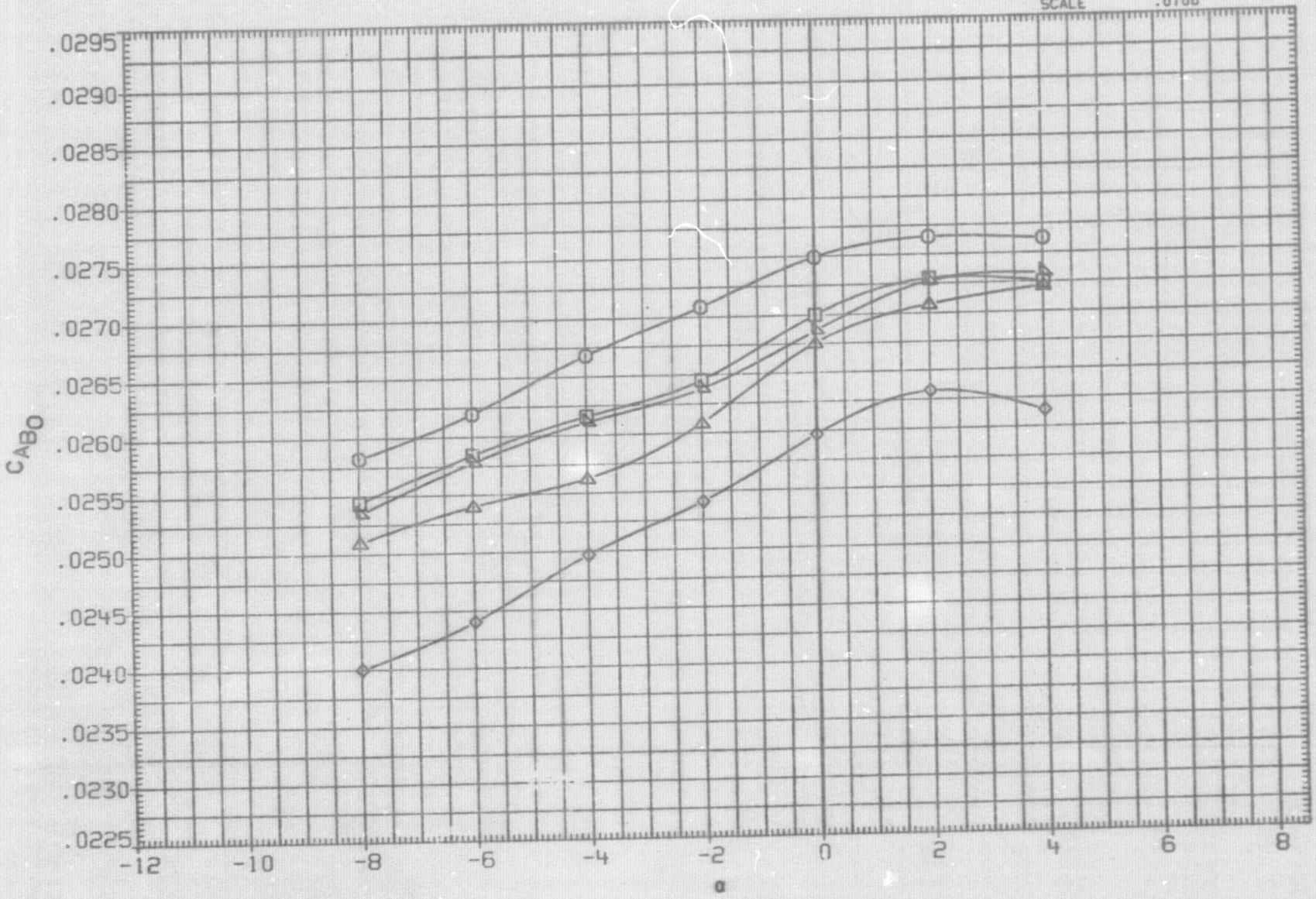


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB73	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB75	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB76	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

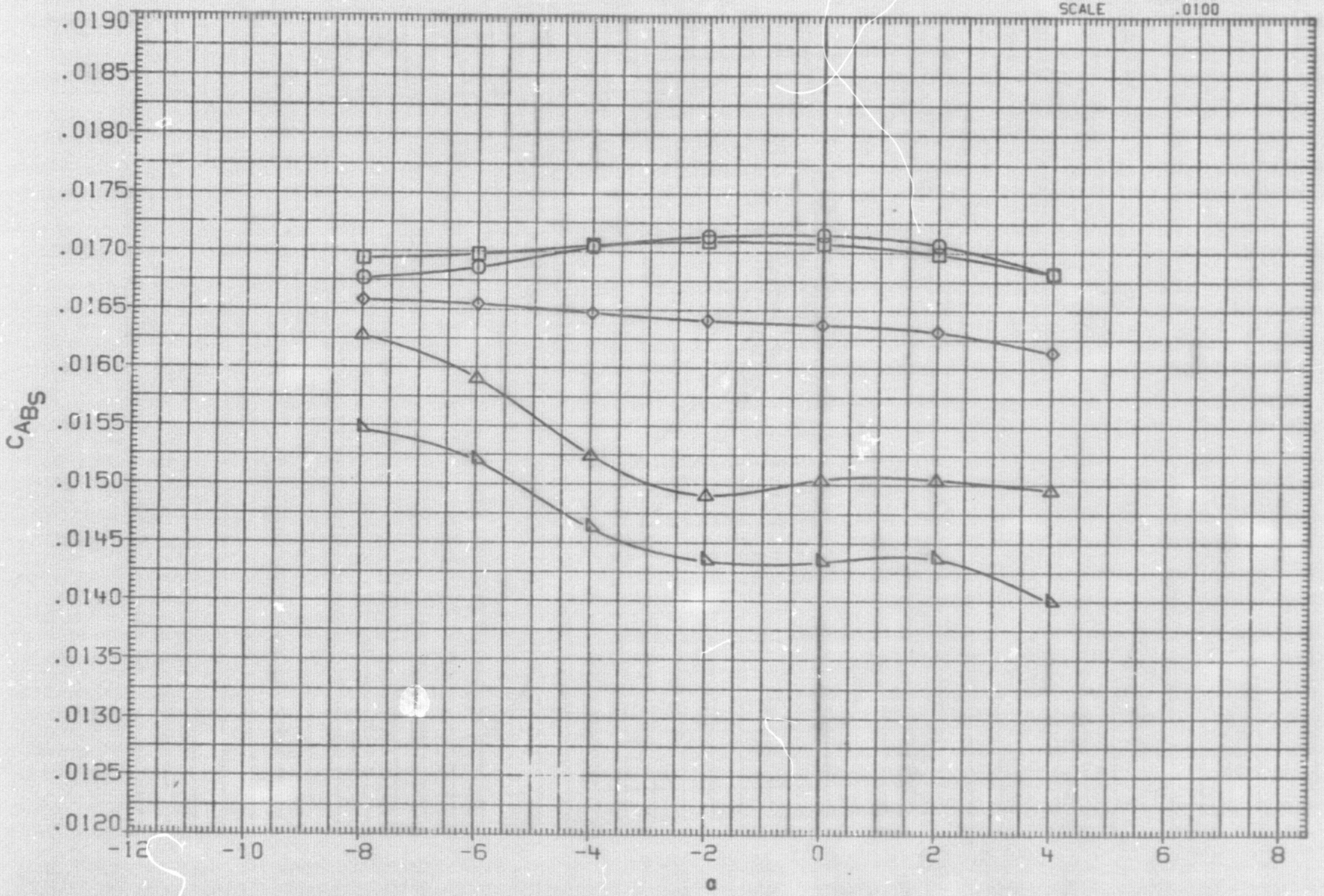


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB76	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

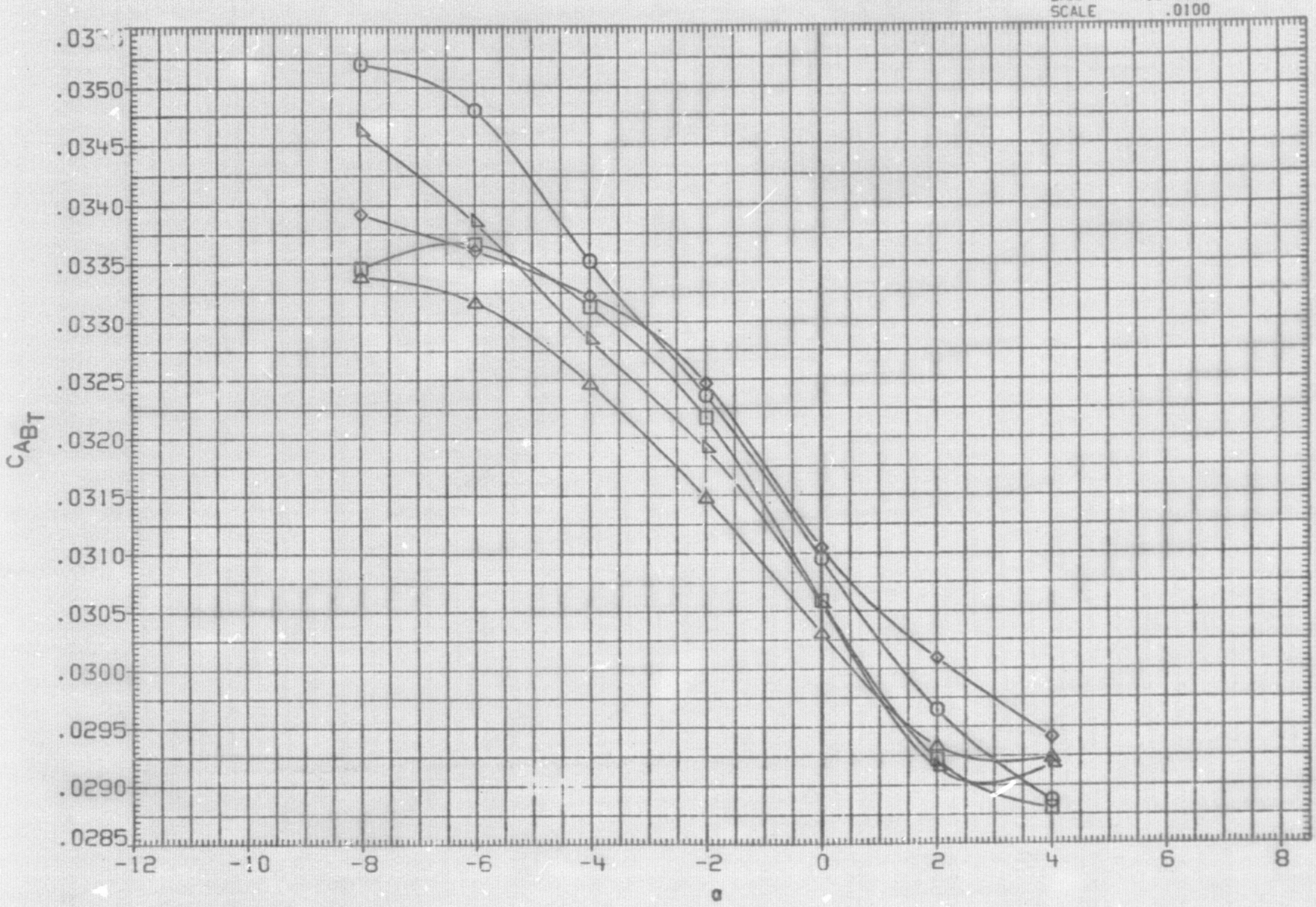


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA01	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA02	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA03	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA04	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA05	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

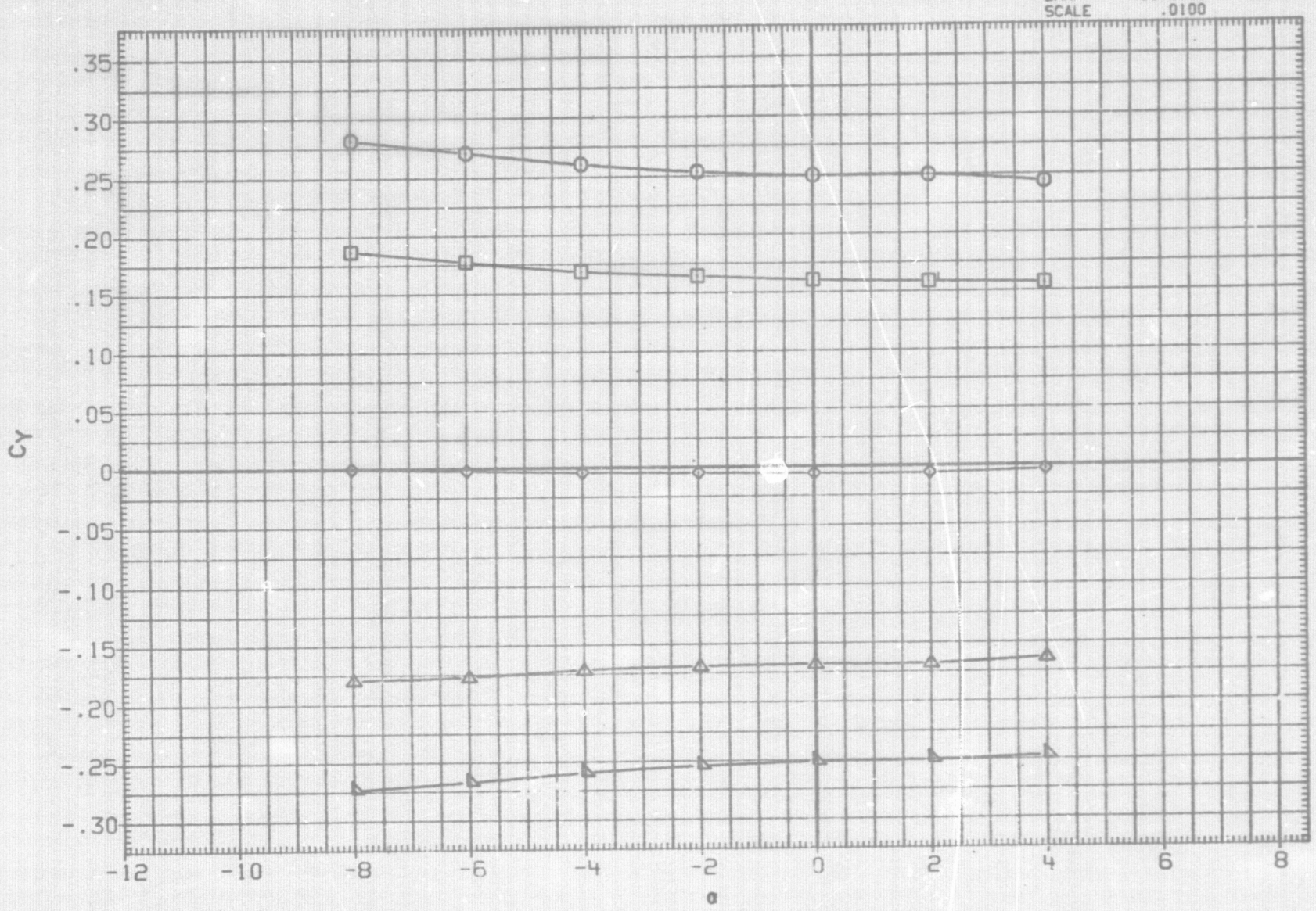


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA01	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA02	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA03	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA04	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA05	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

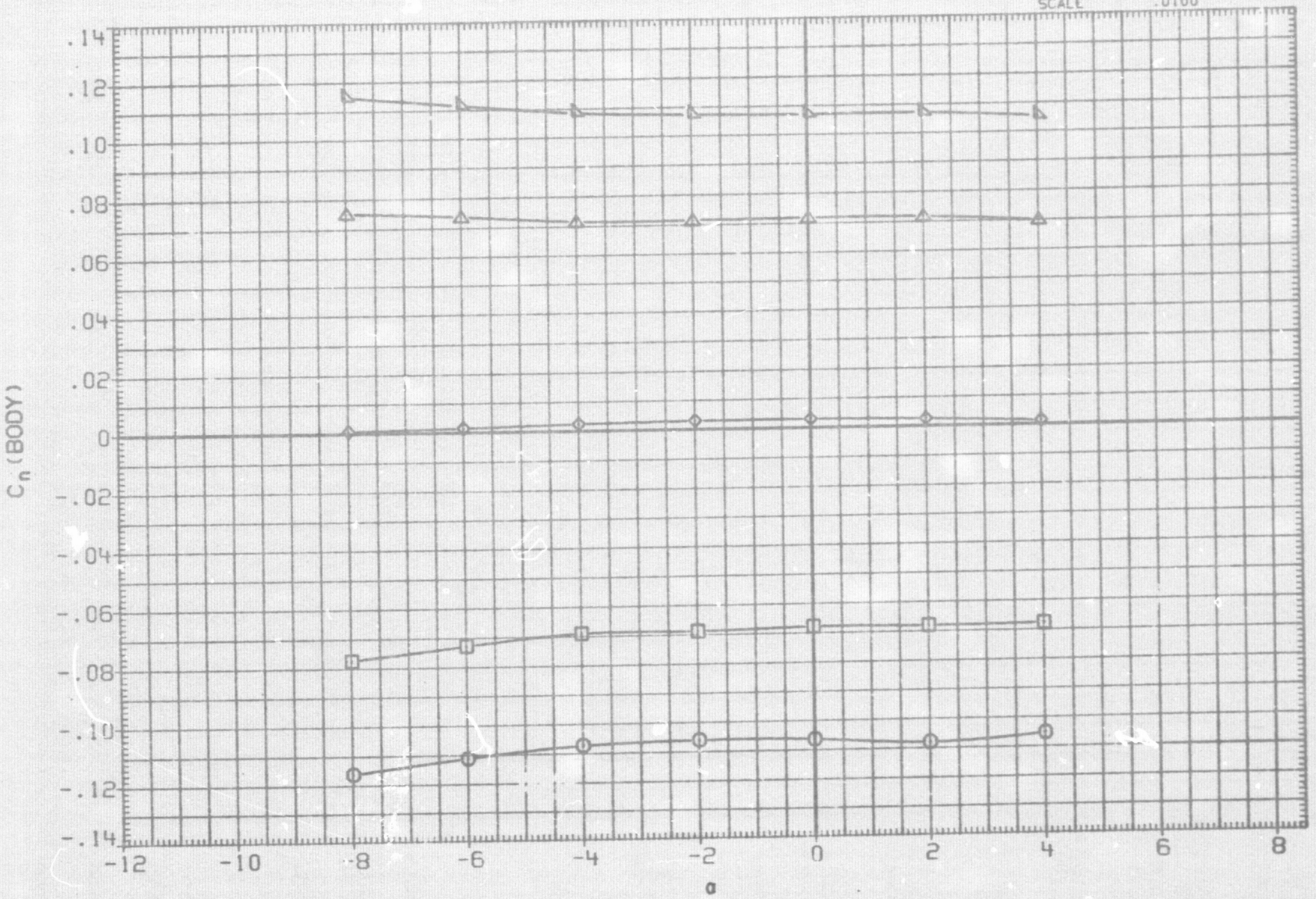


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA01	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA02	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA03	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA04	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA05	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

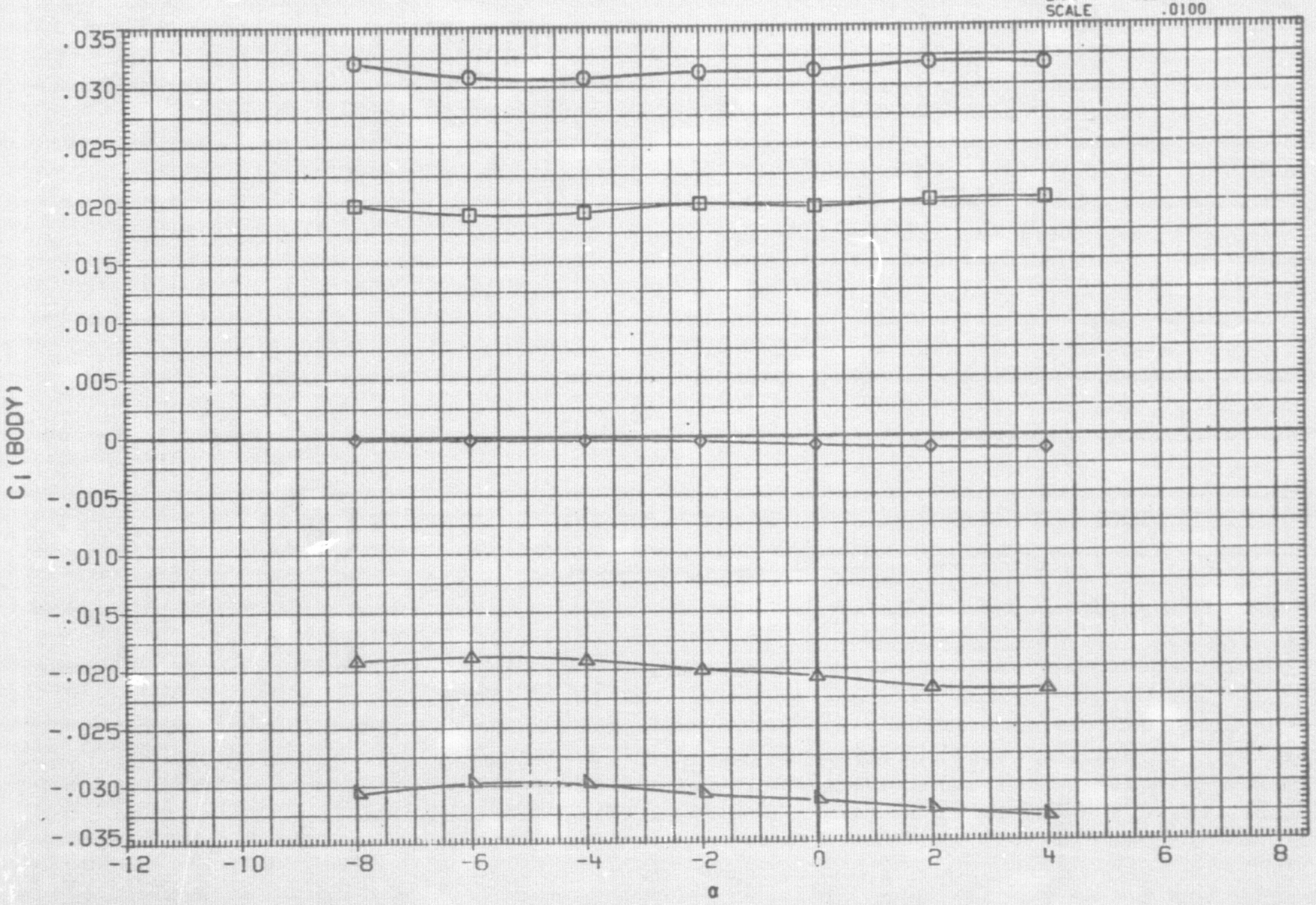


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA10	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

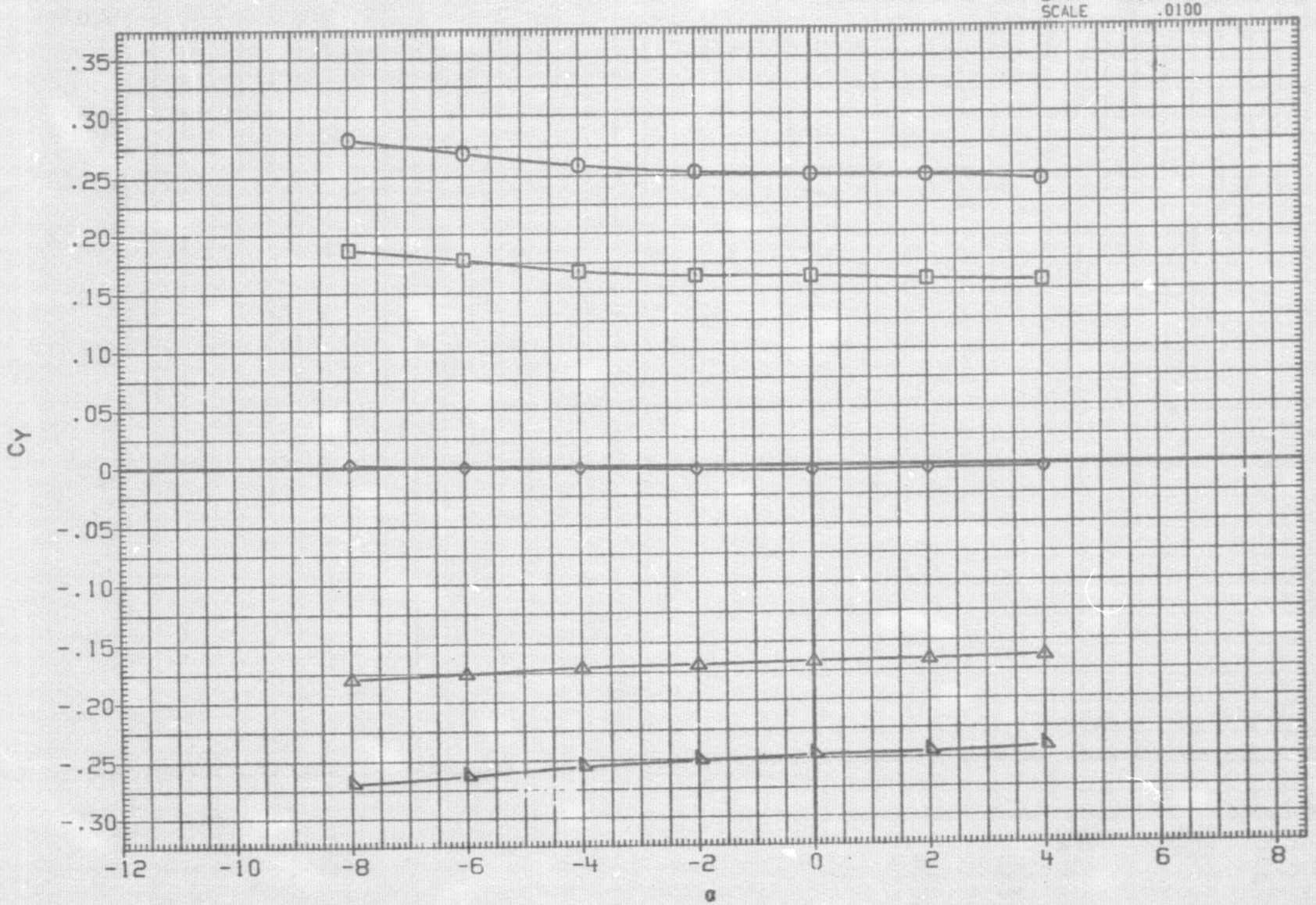


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA10	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

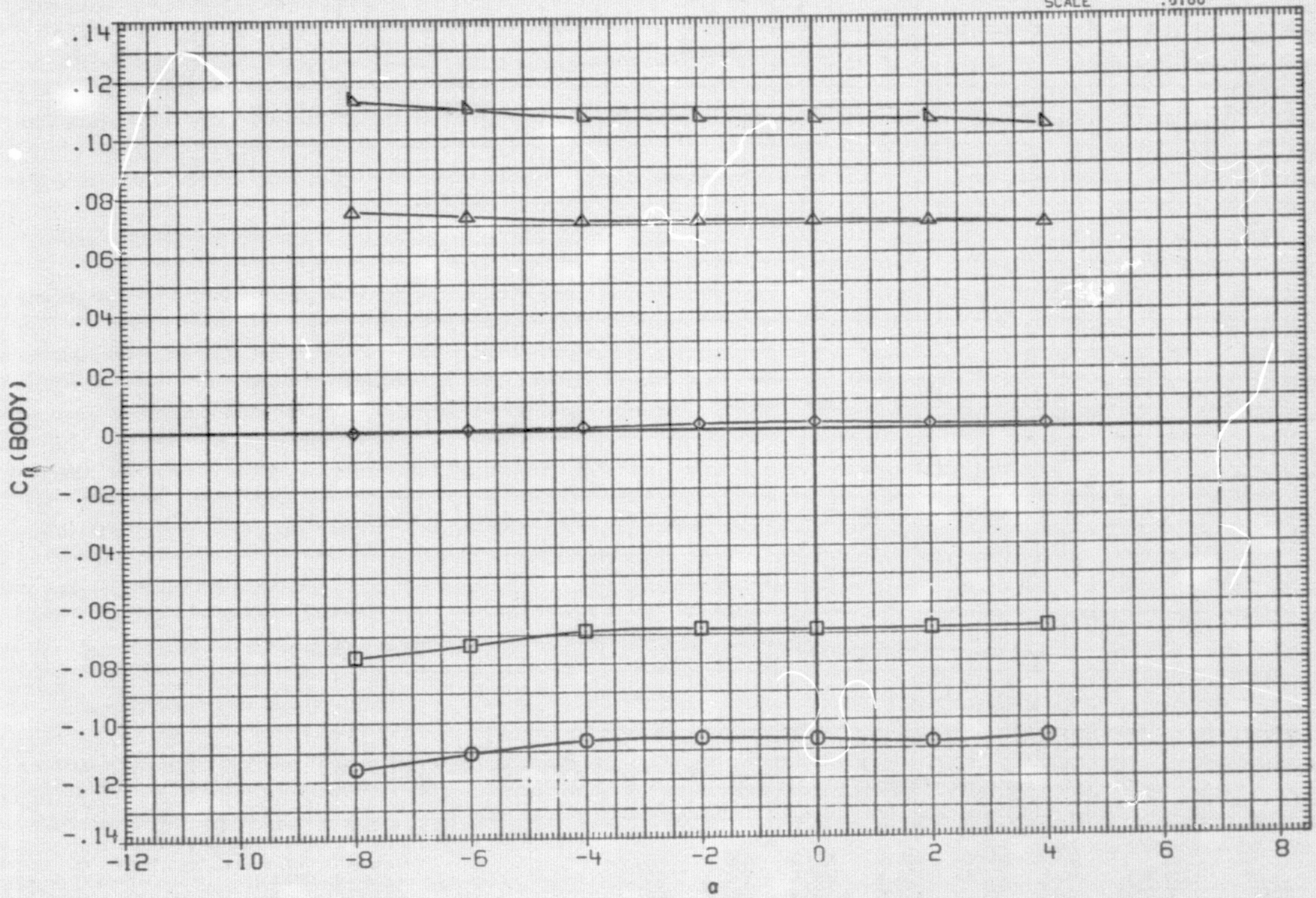


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA10	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

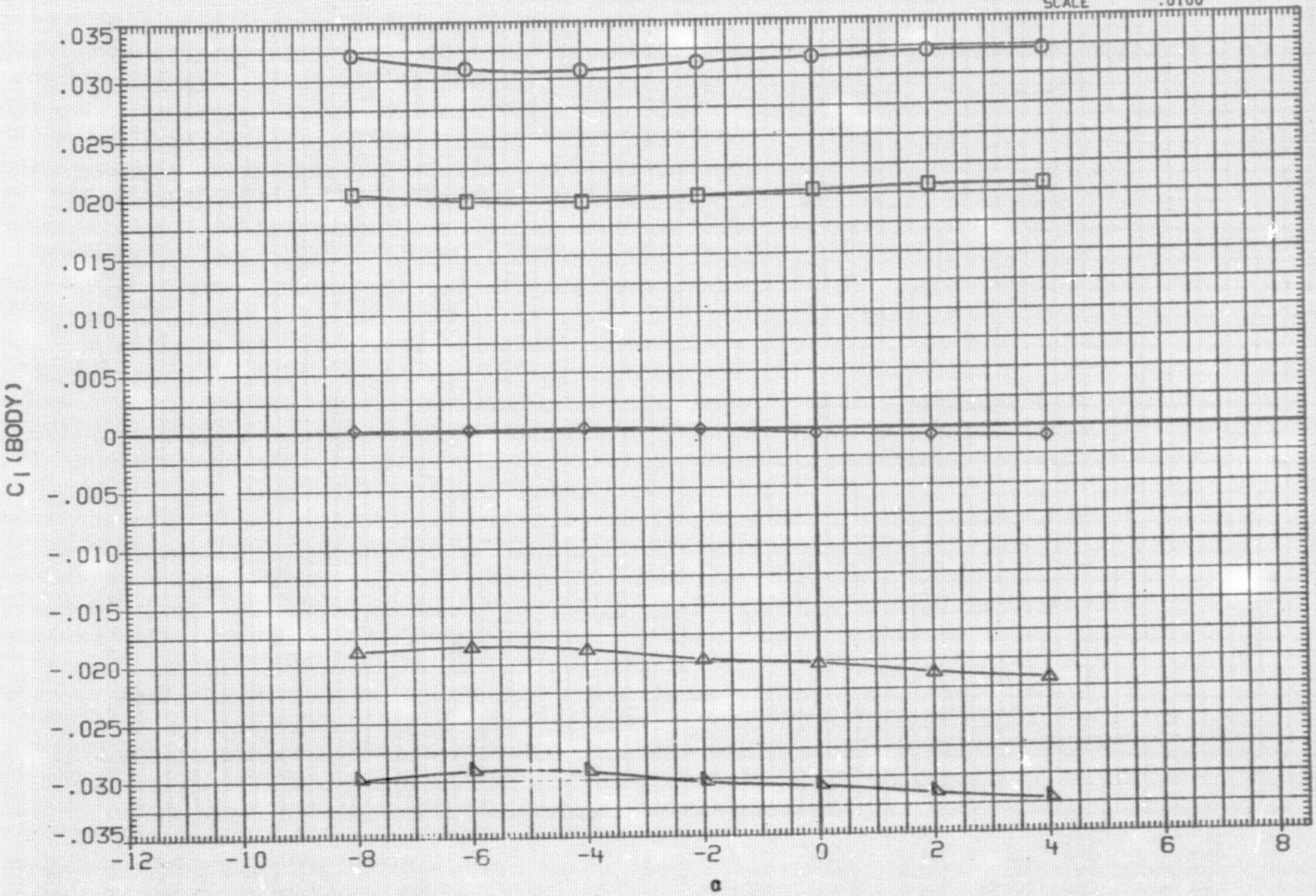


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA10	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

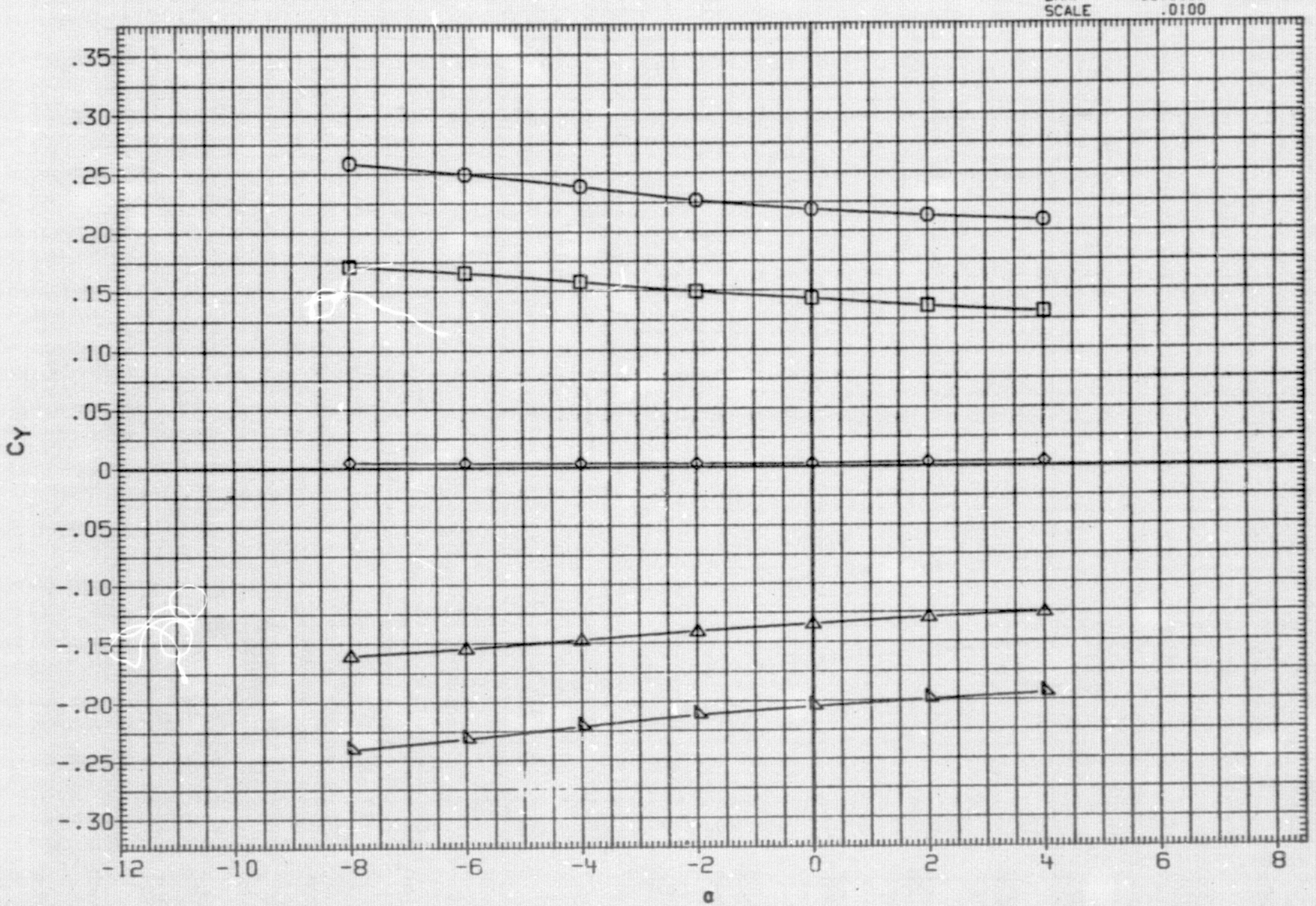


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA10	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-5.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

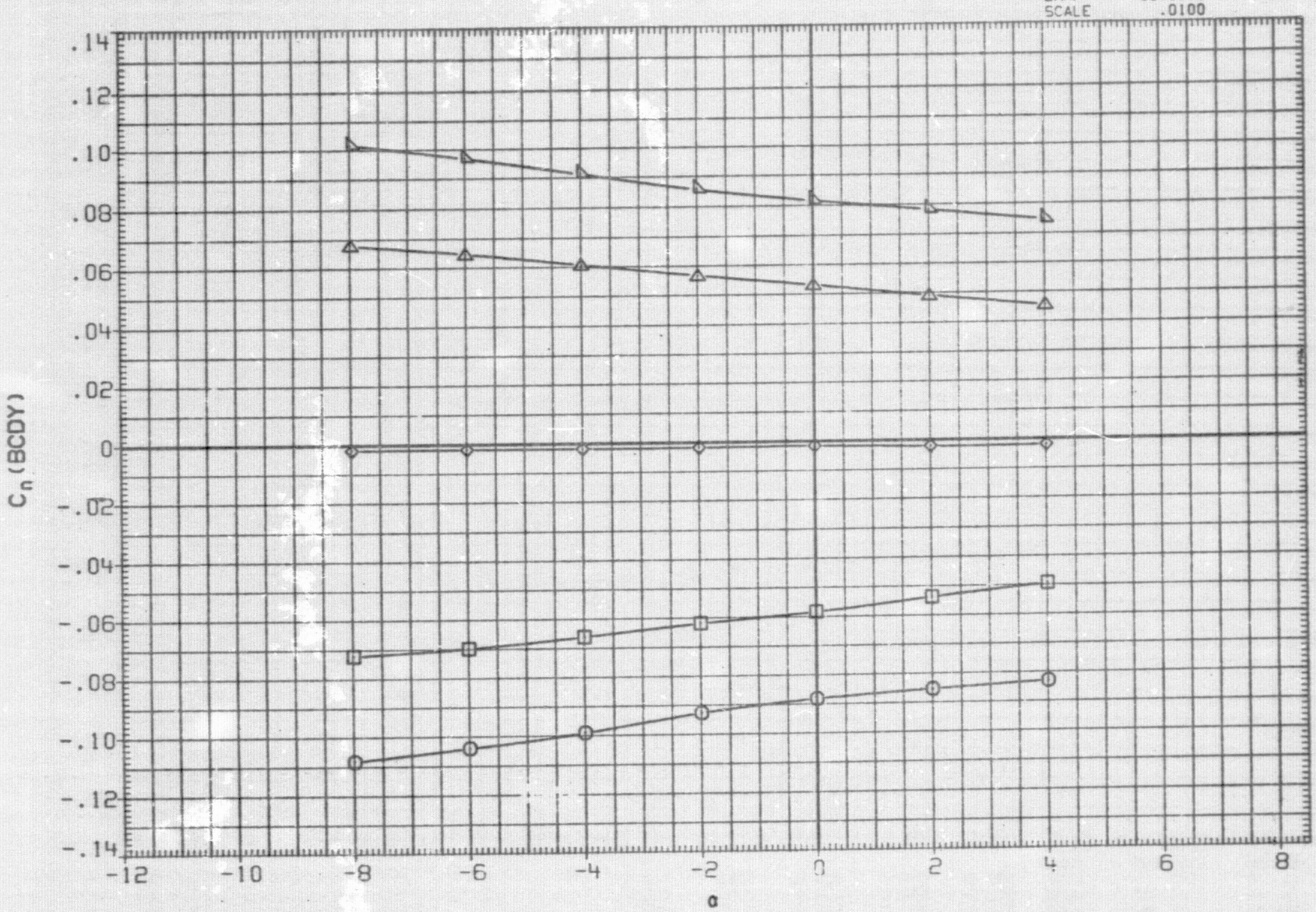


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA10	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XI
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

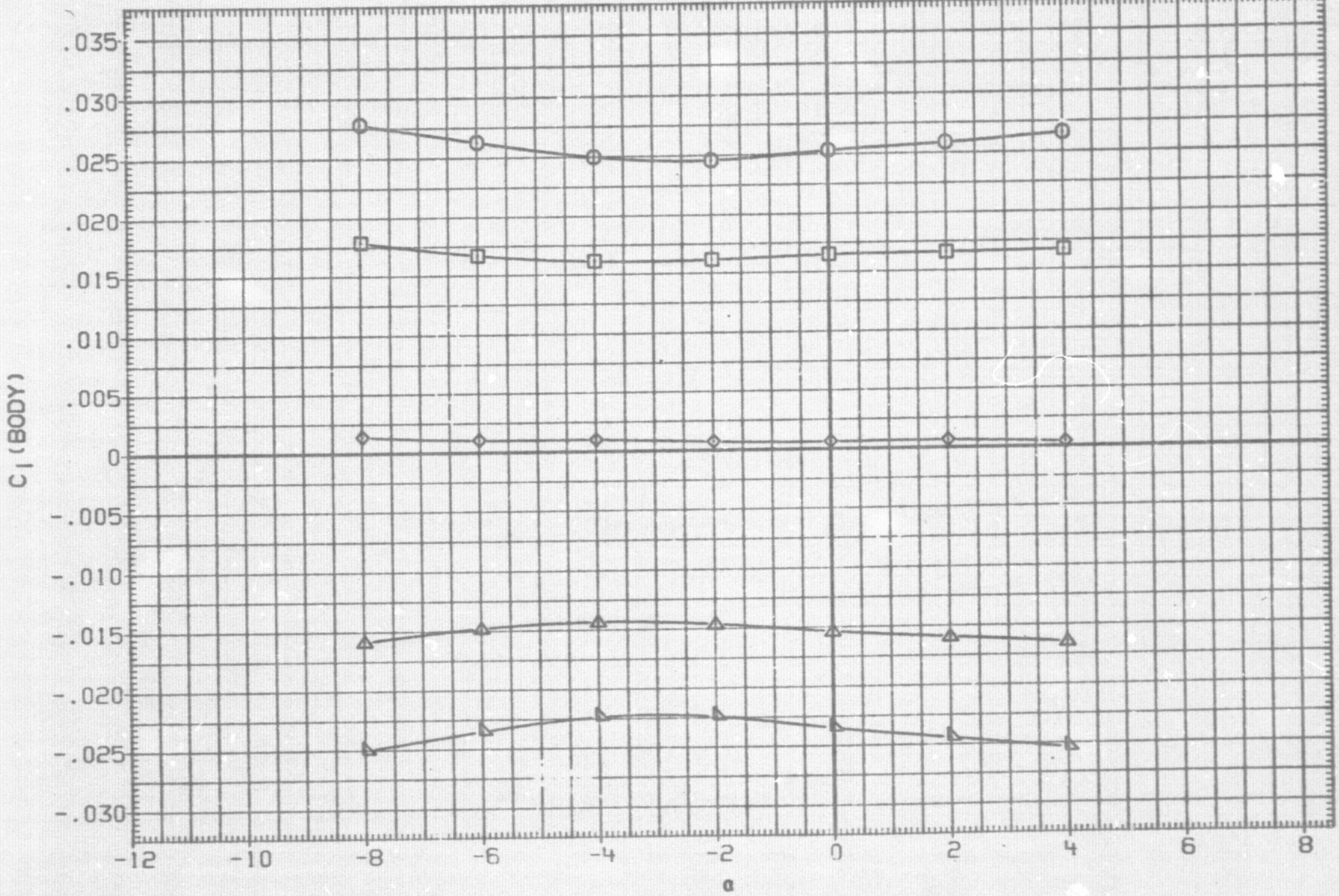


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWA10	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

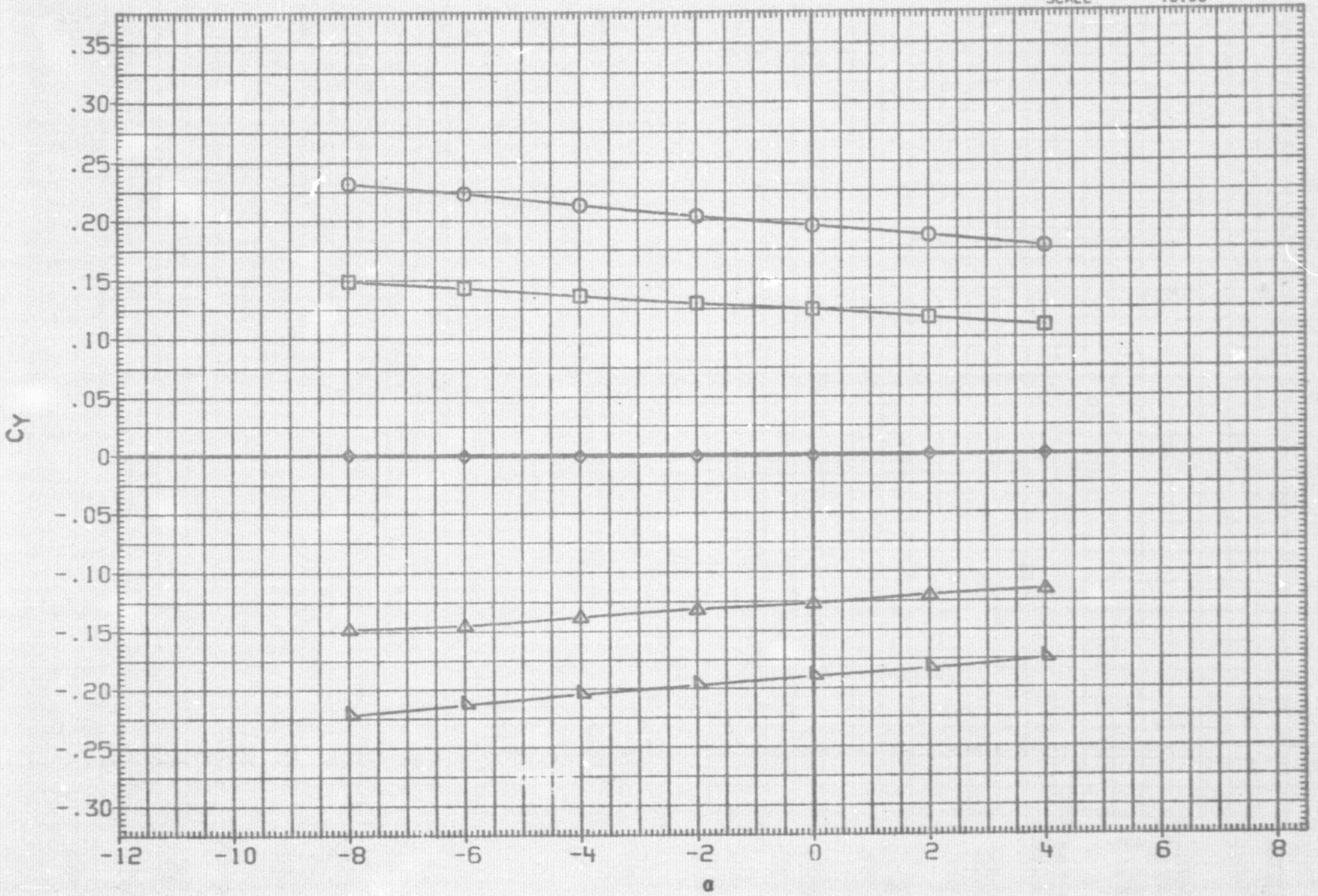


FIG. 5 LATERAL-DIRECTIONAL AEPODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWA10	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

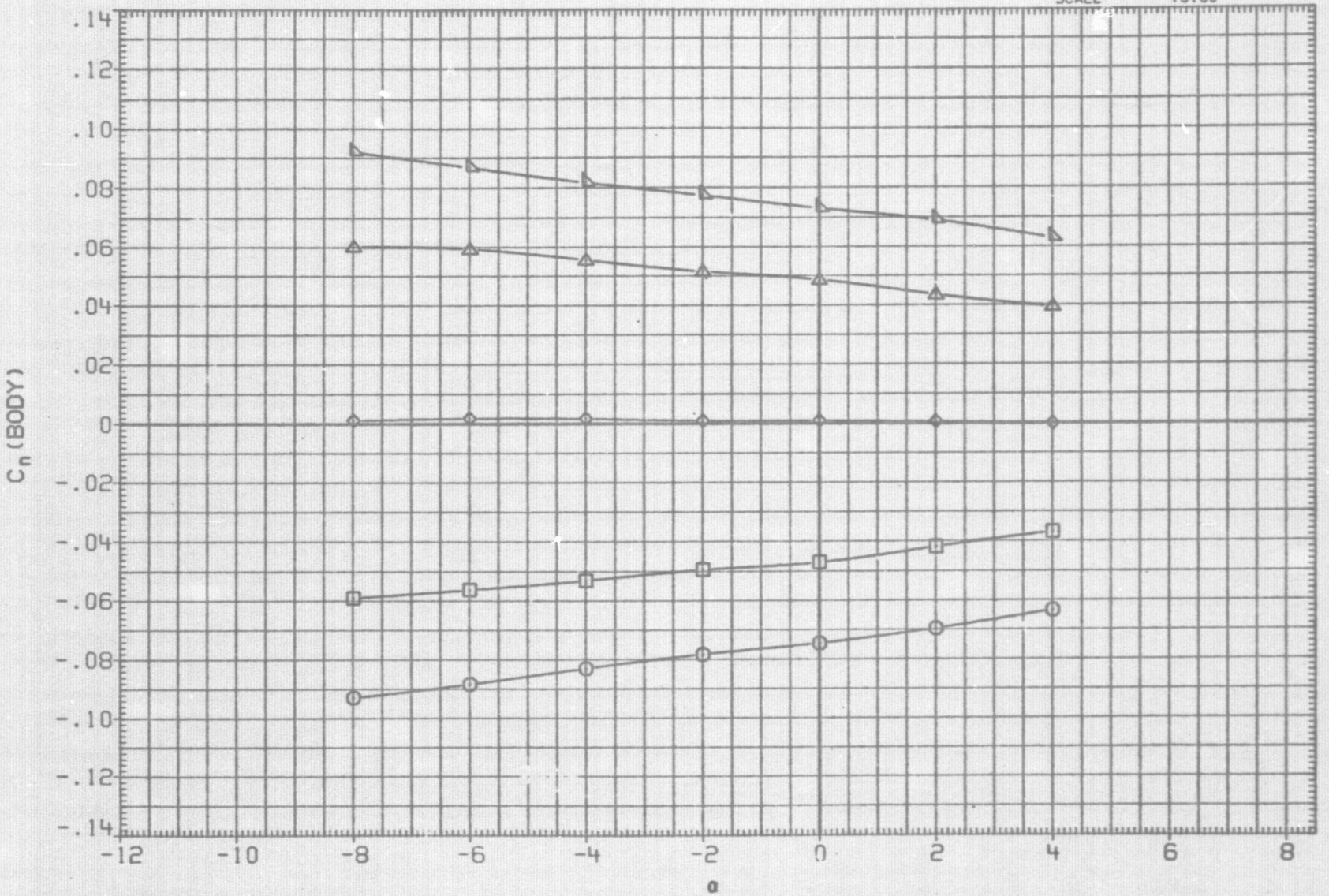


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA10	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

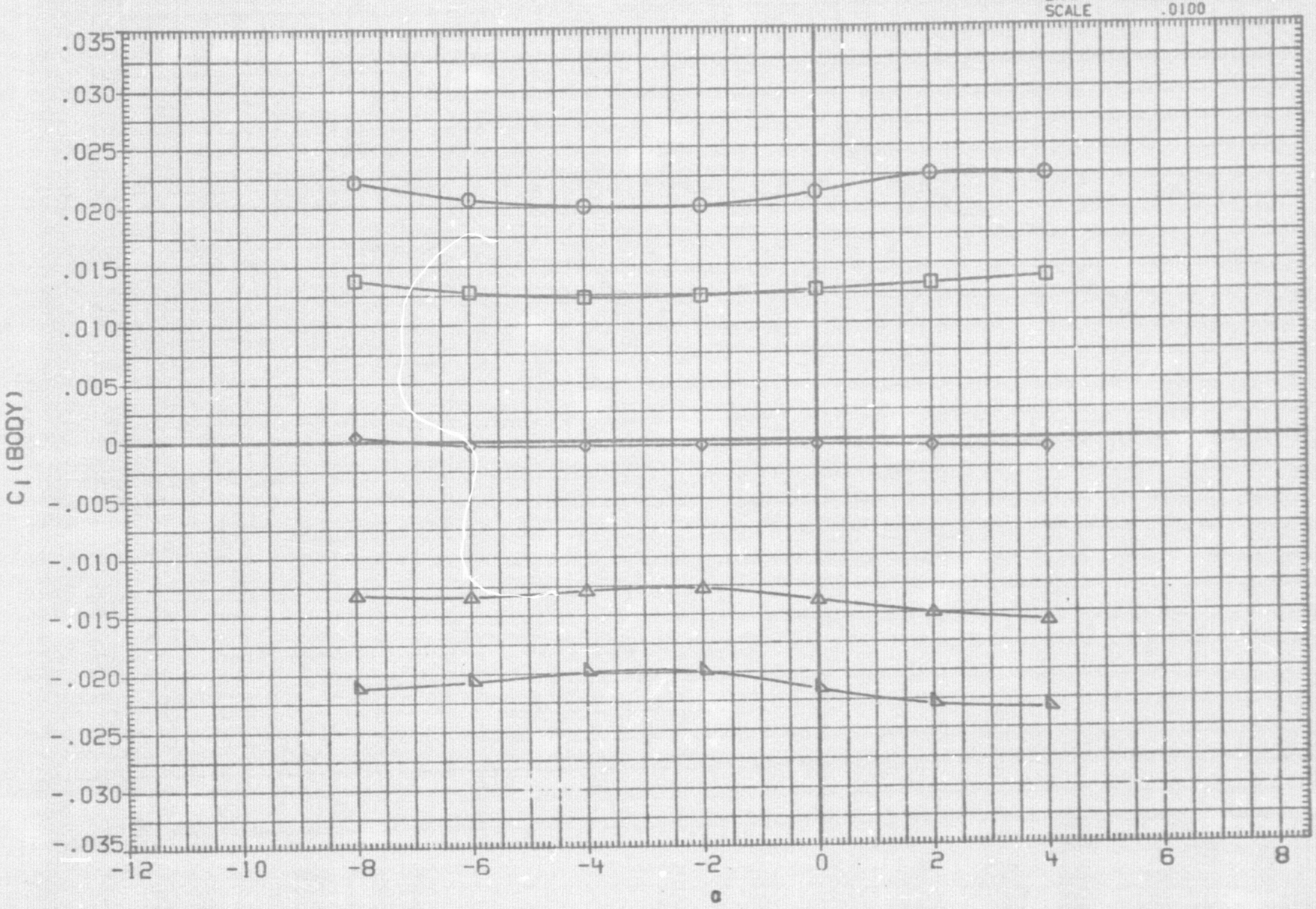


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA15	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

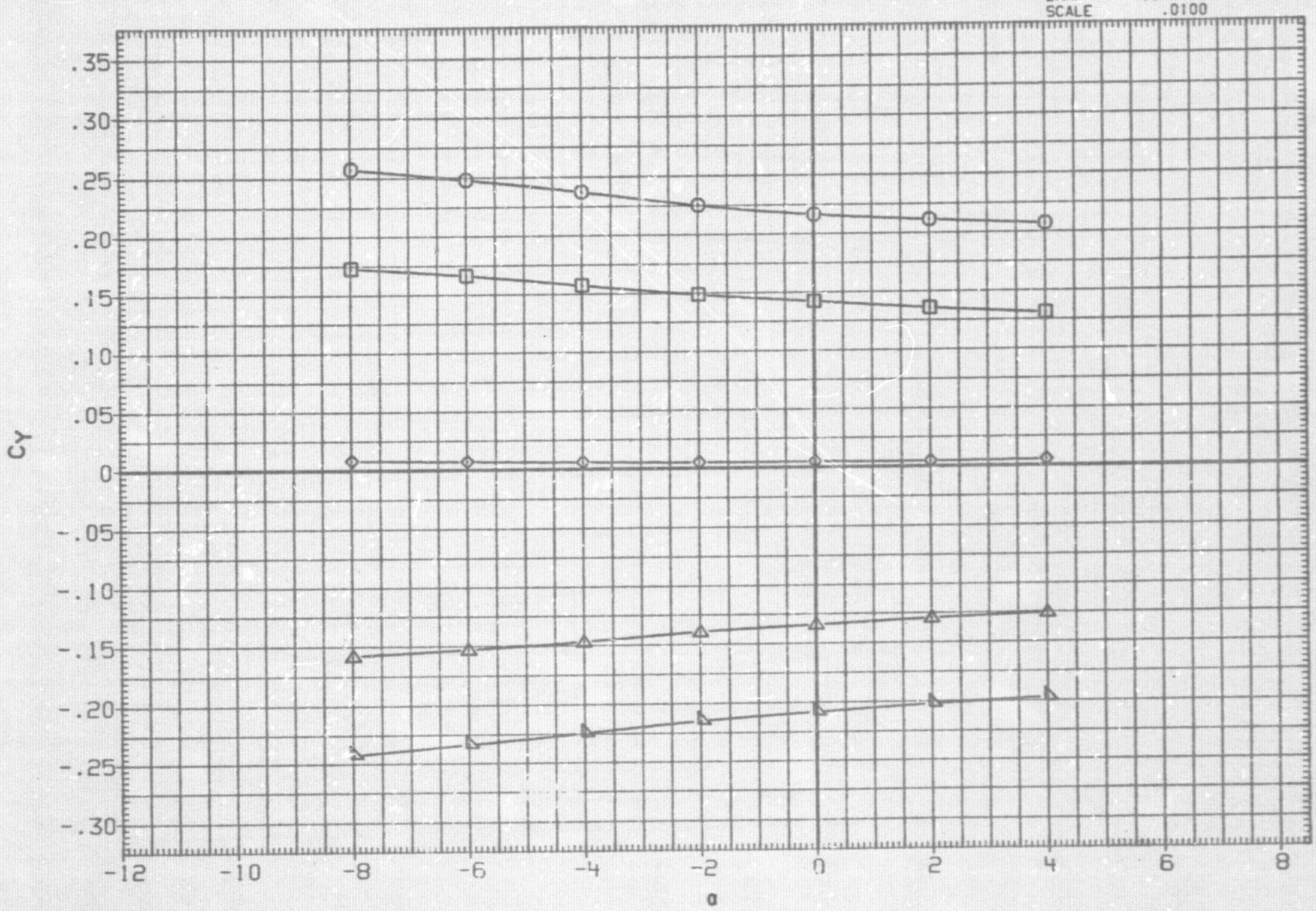


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA11	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA12	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA13	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA14	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA15	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

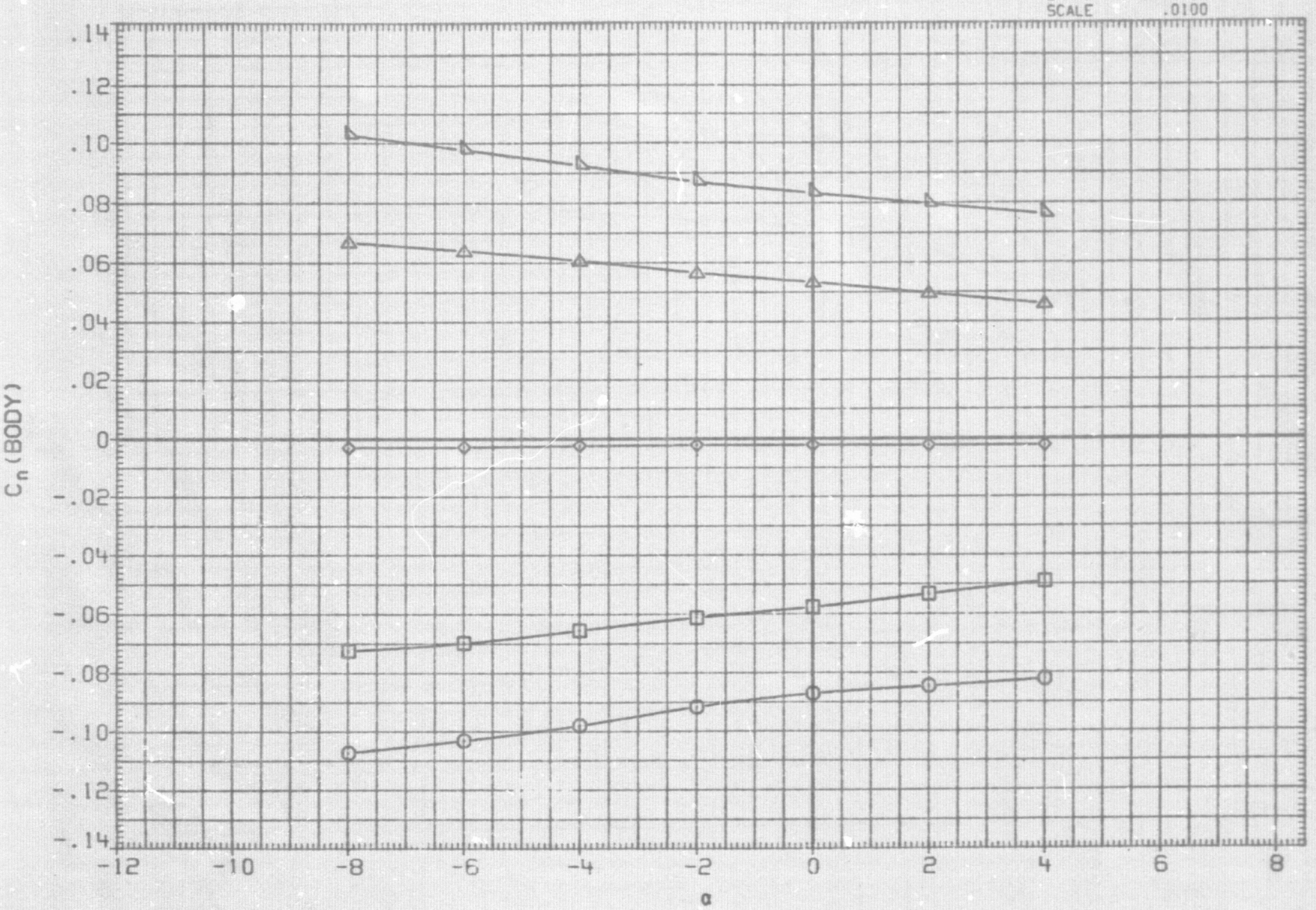


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA11	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA12	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA13	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA14	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA15	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

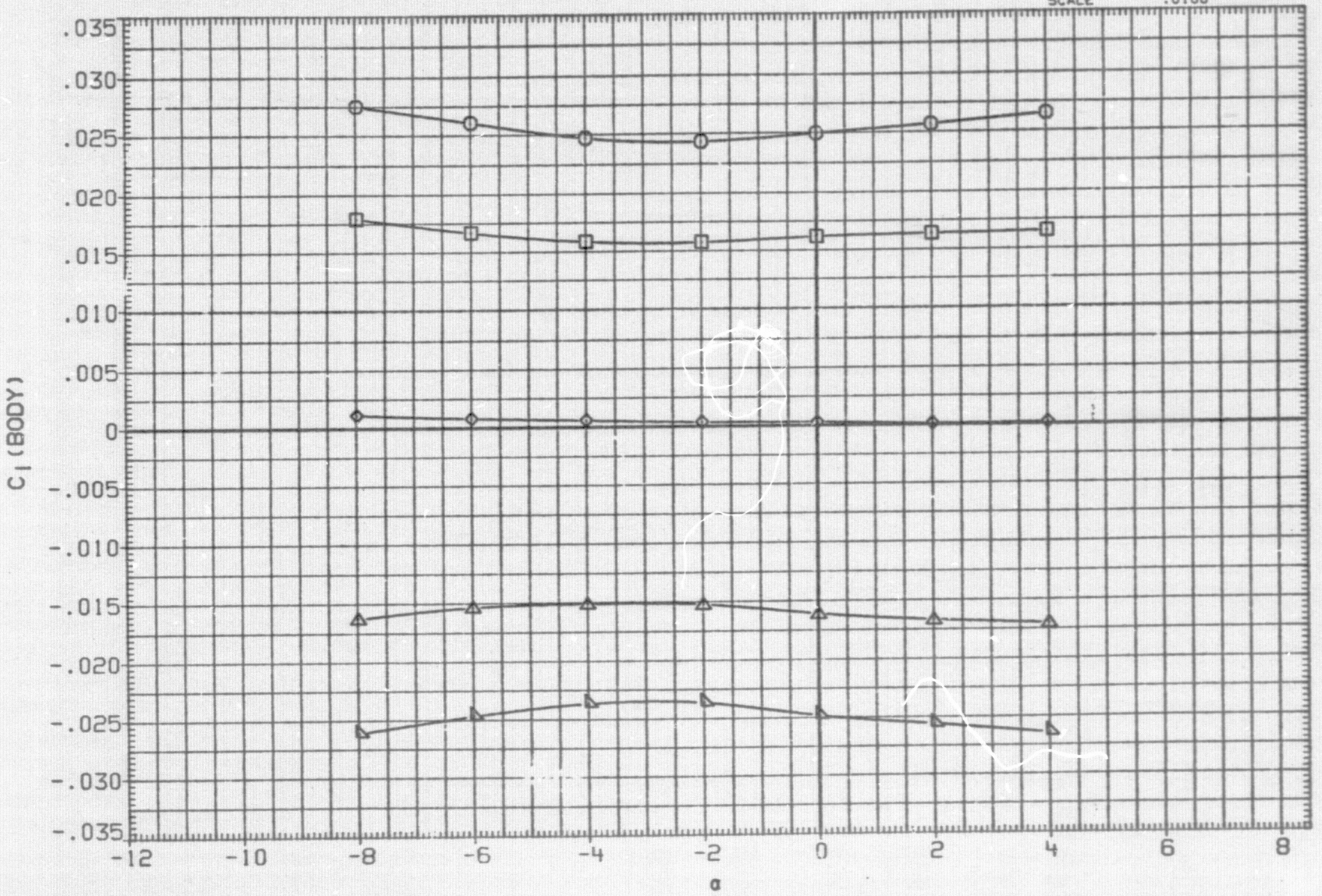


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWA15	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

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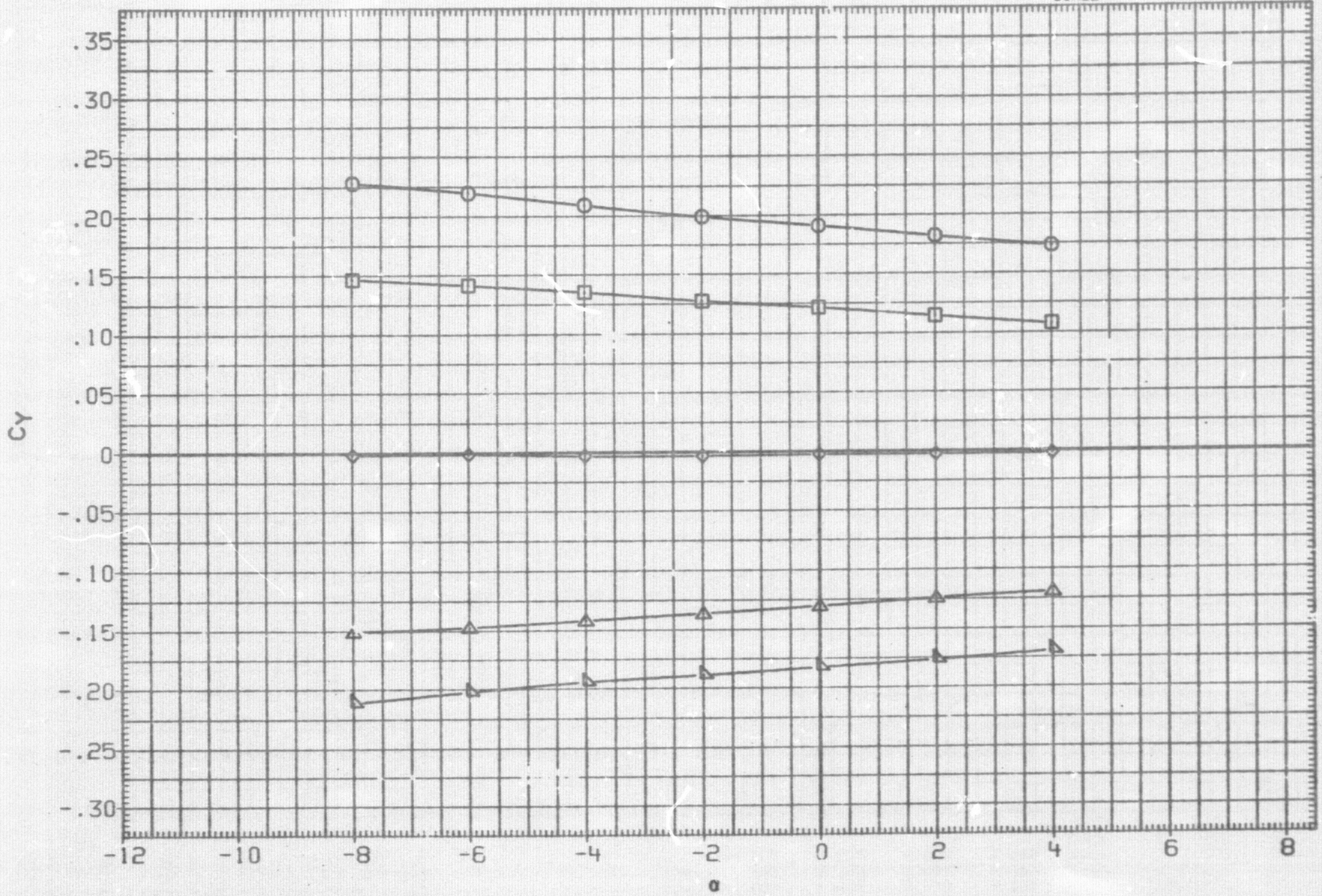


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWA15	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

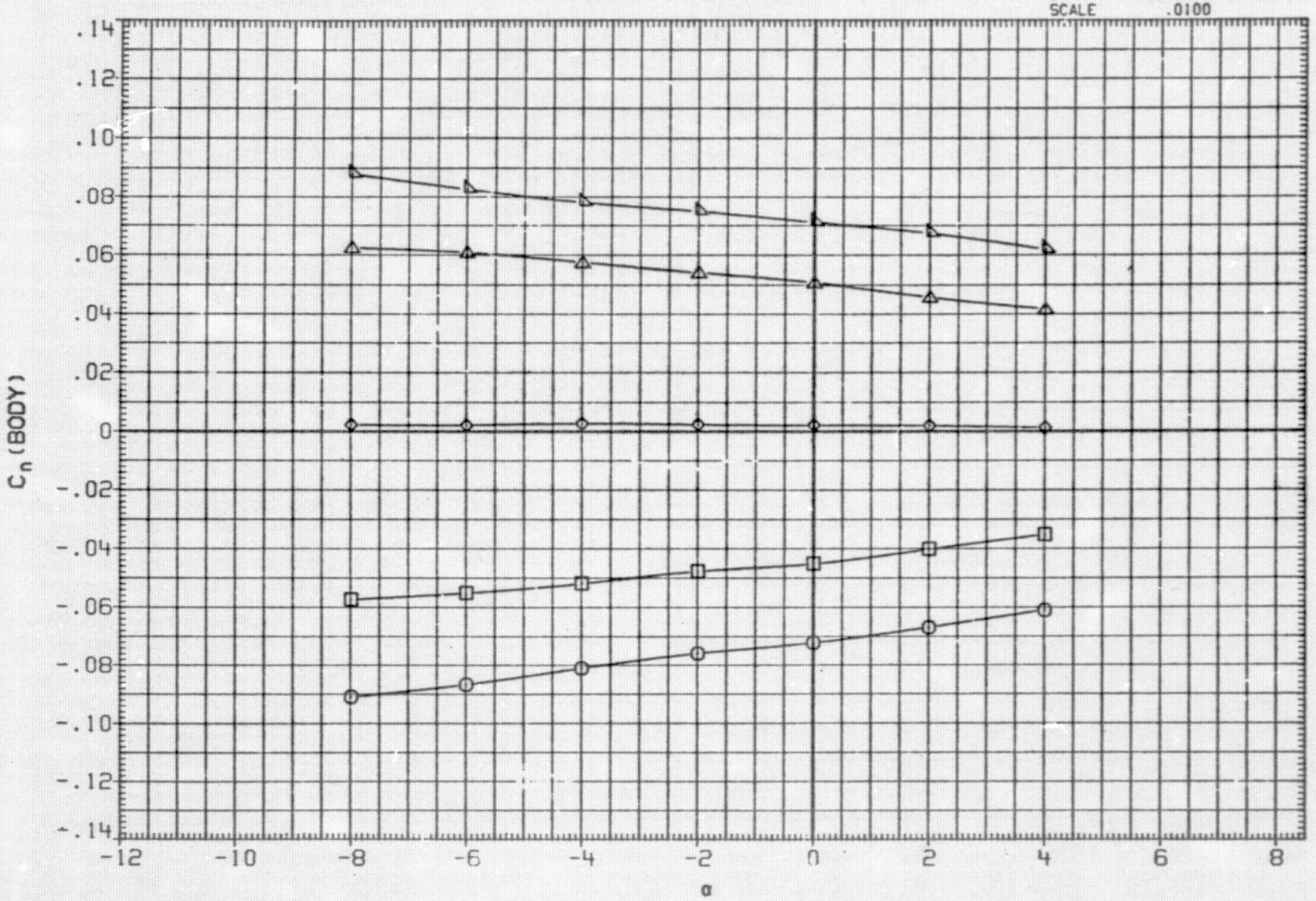


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA15	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

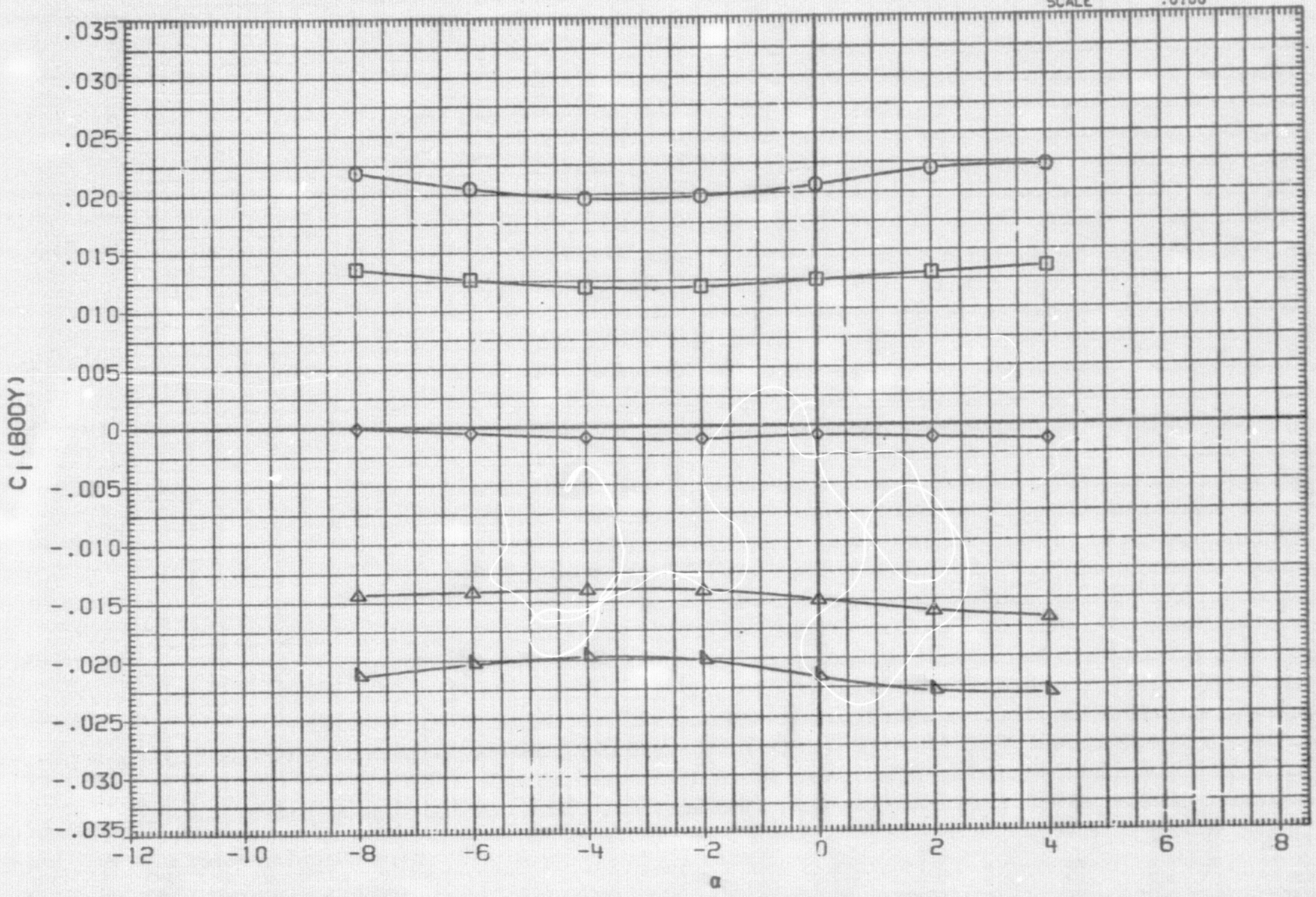


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA19	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA20	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

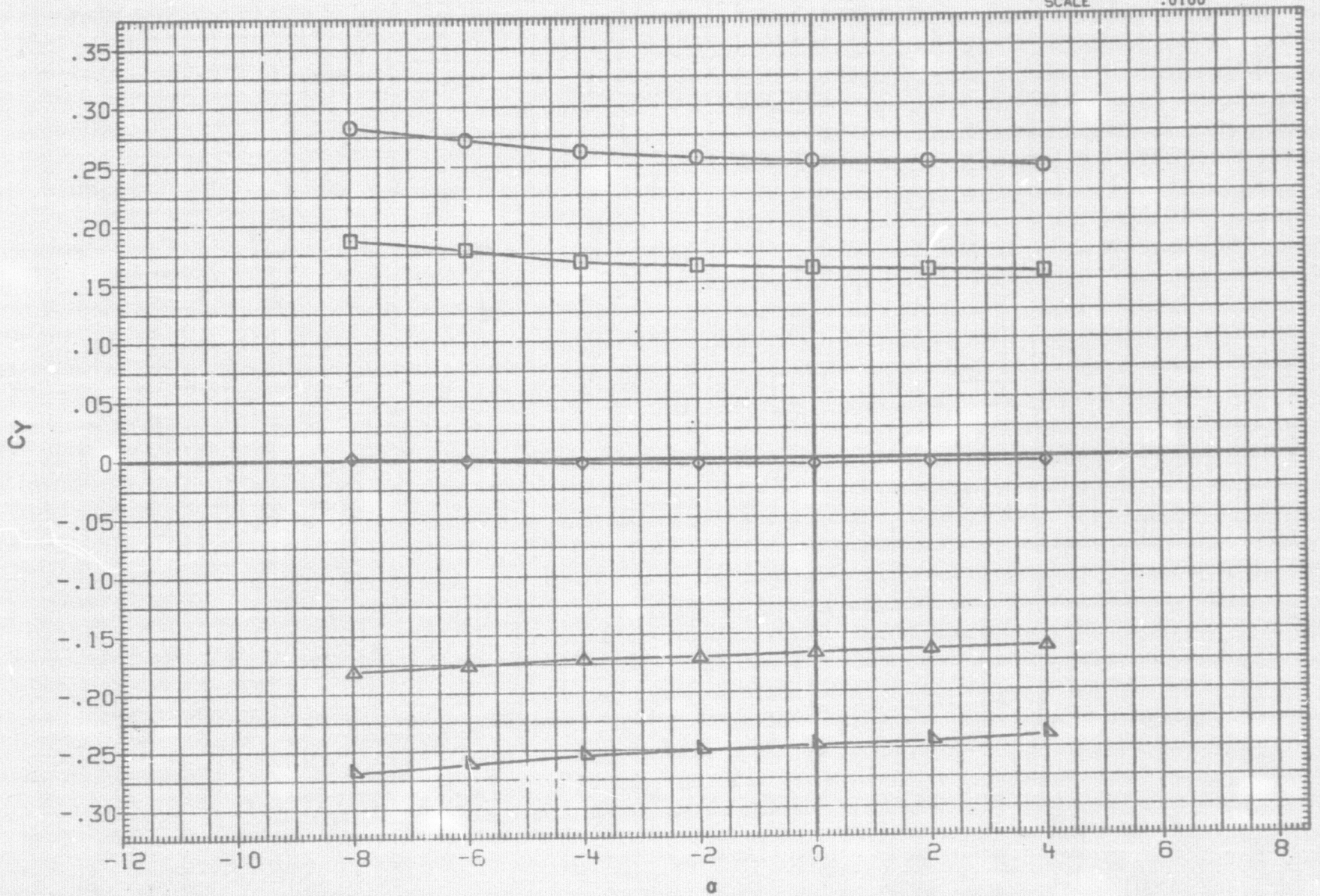


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA16	○	LARC UPWT 1177(1A948) OTSAT130	-6.000	8.000	2.000	8.000	2.000
MJWA17	□	LARC UPWT 1177(1A948) OTSAT130	-4.000	8.000	2.000	8.000	2.000
MJWA18	◇	LARC UPWT 1177(1A948) OTSAT130	.000	8.000	2.000	8.000	2.000
MJWA19	△	LARC UPWT 1177(1A948) OTSAT130	4.000	8.000	2.000	8.000	2.000
MJWA20	▽	LARC UPWT 1177(1A948) OTSAT130	6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

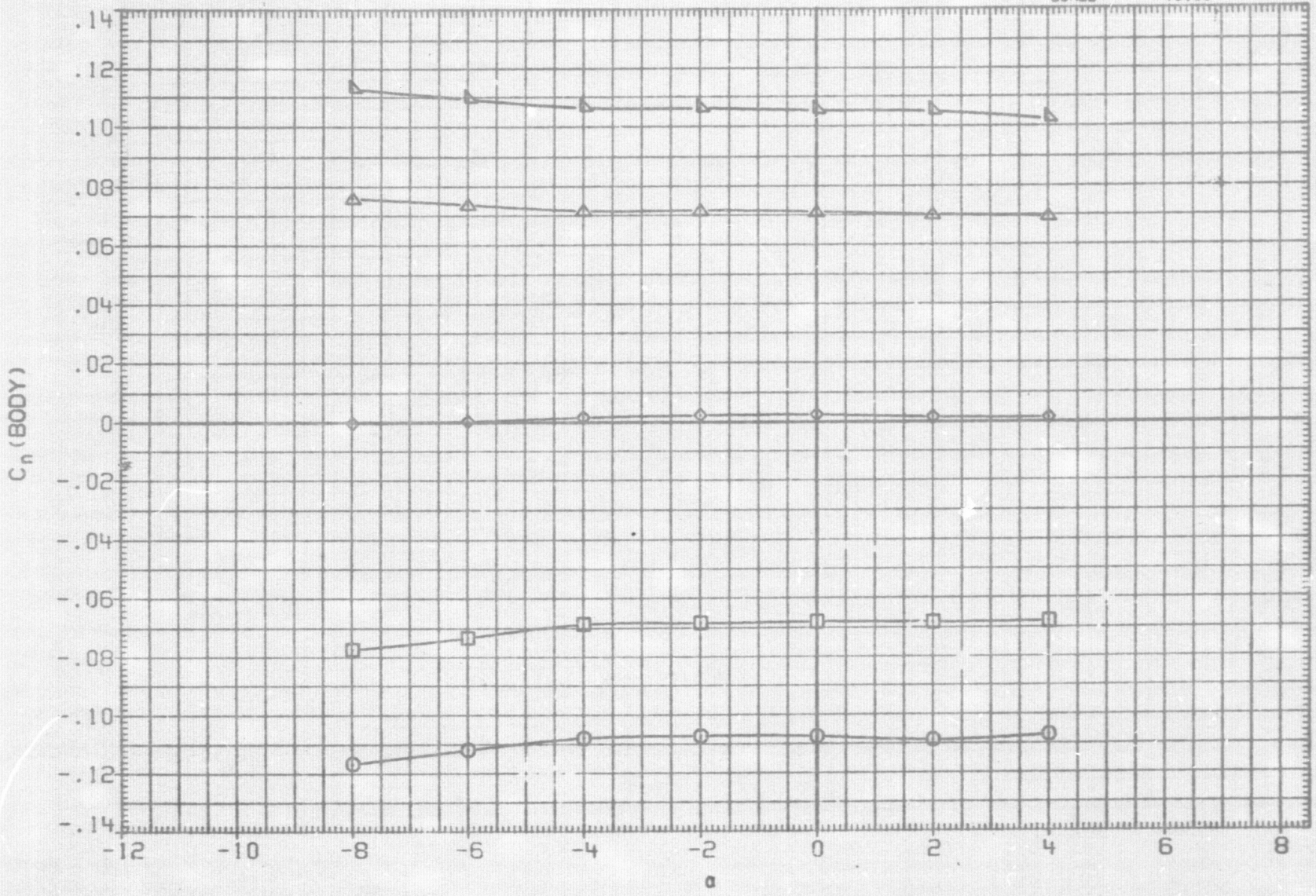


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA19	▷	LARC UPWT 1177(1A94B) OTSAT130
MJWA20	△	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

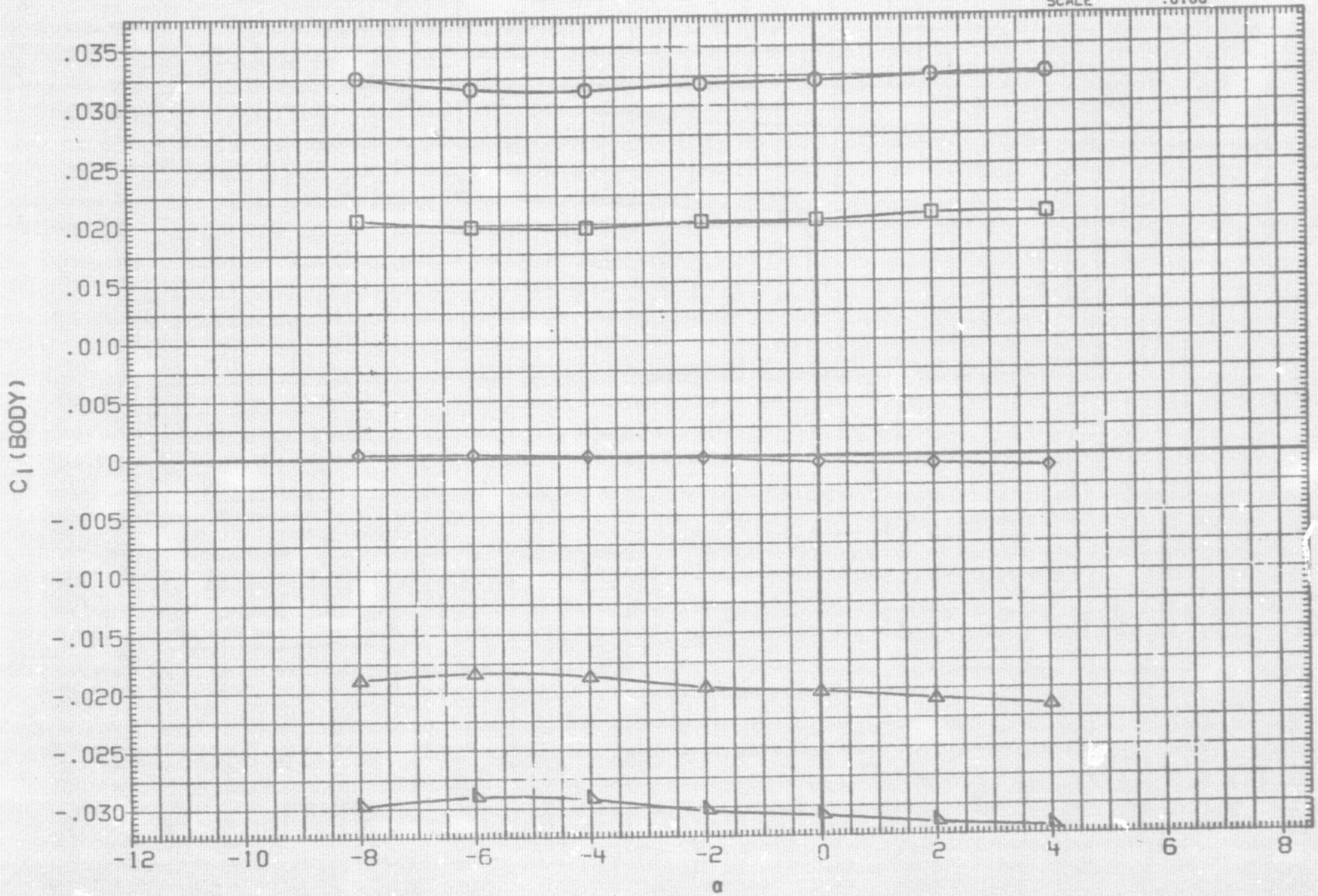


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWA25	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

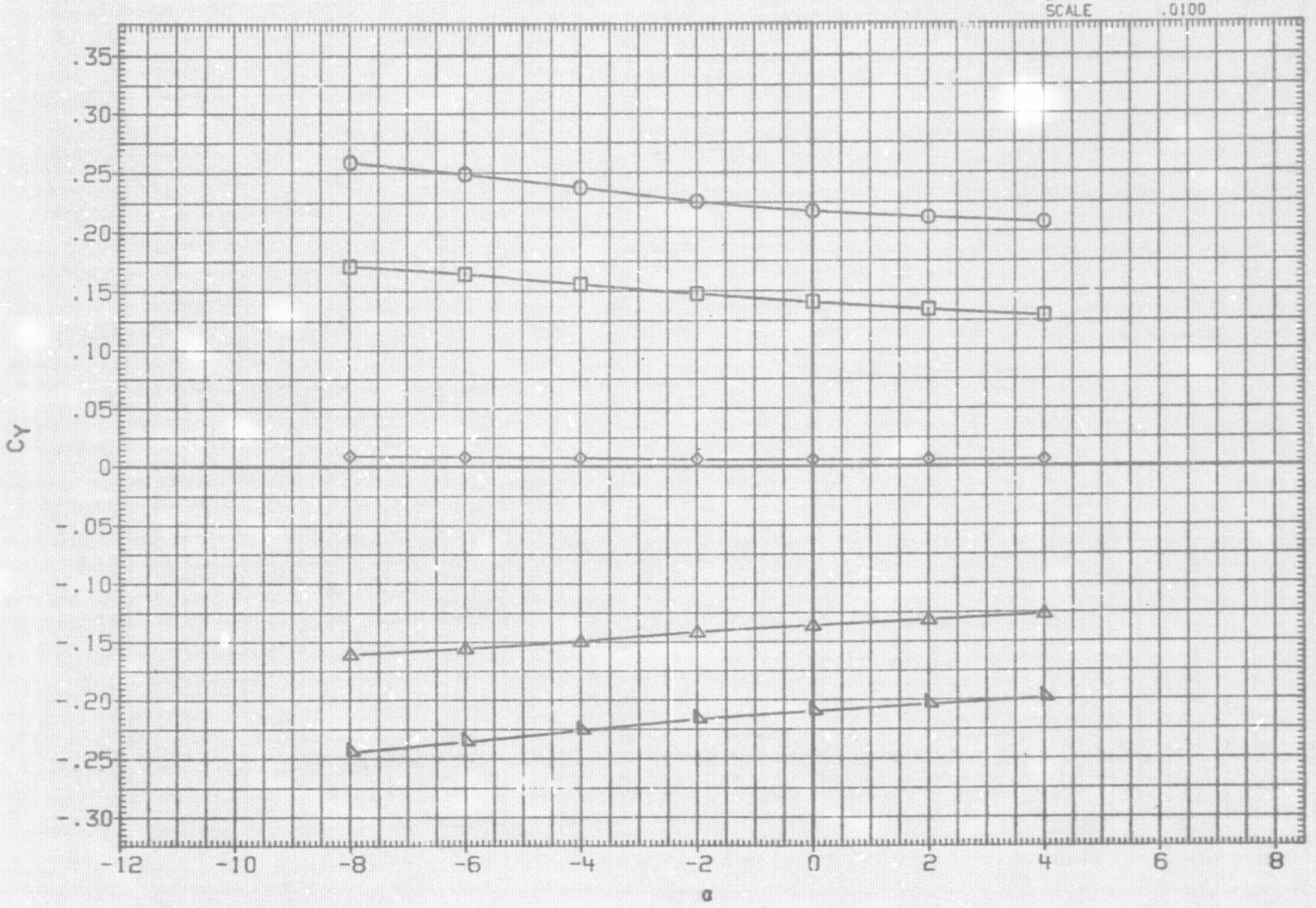


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWA25	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

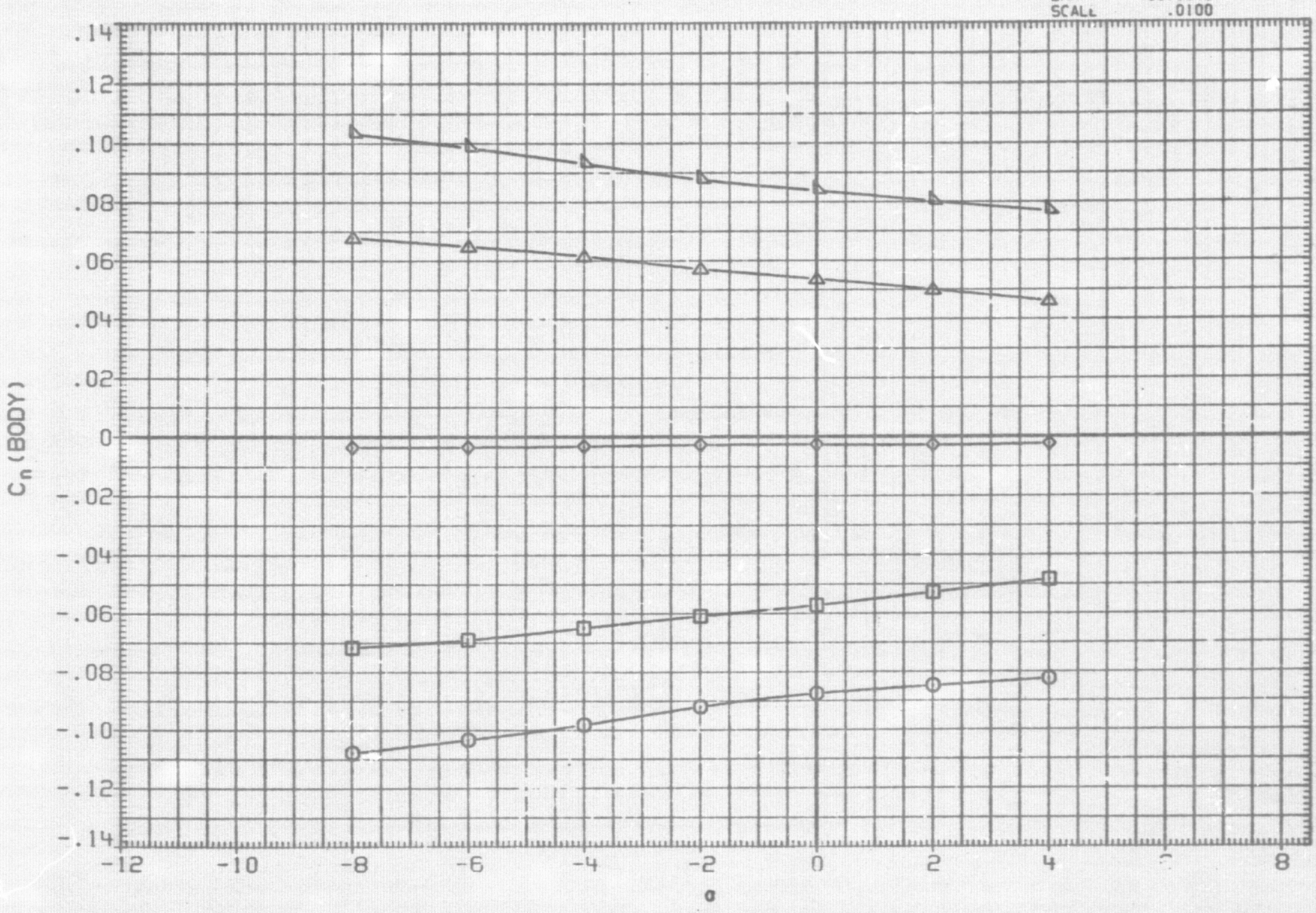


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA25	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

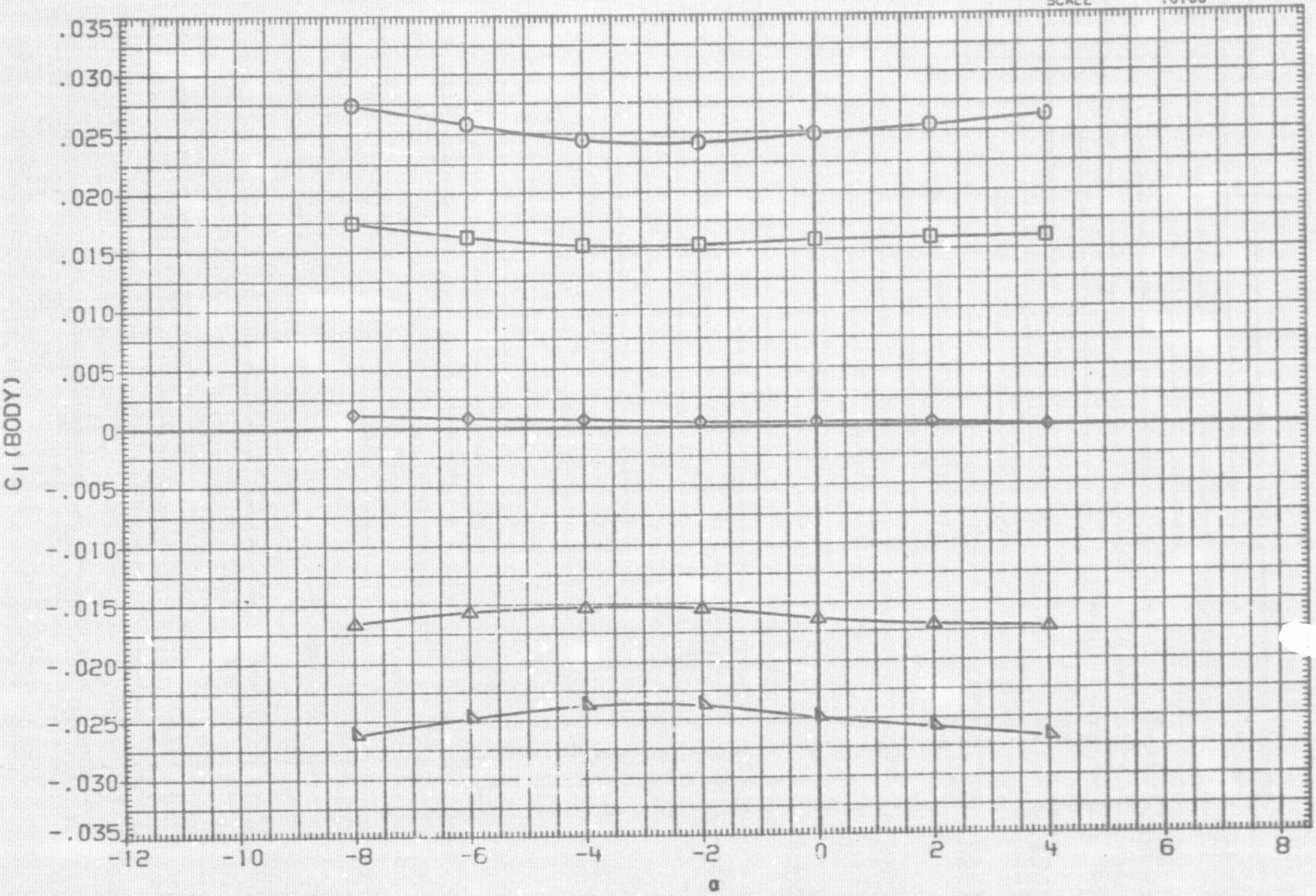


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA25	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

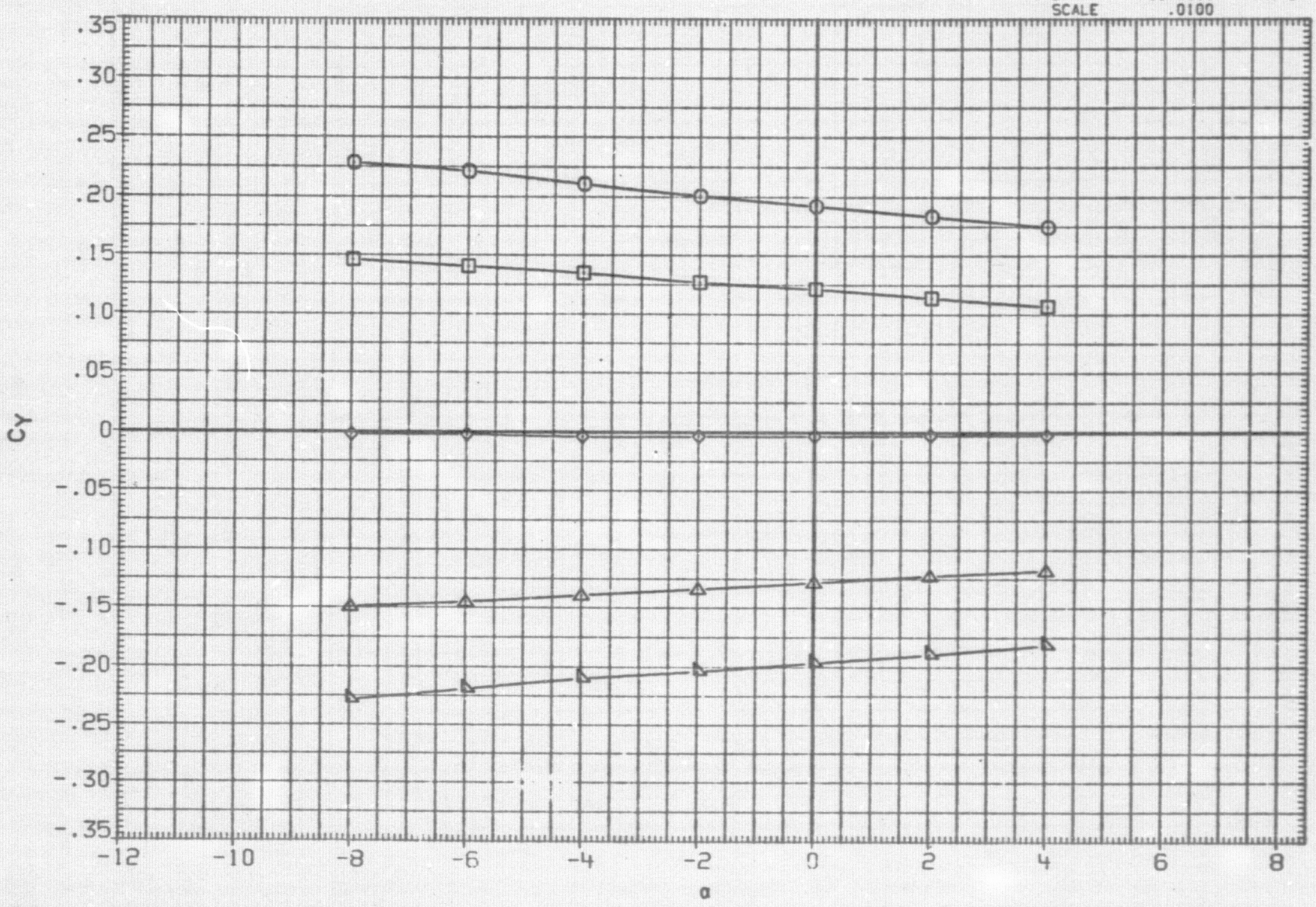


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA21	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA22	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA23	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA24	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA25	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

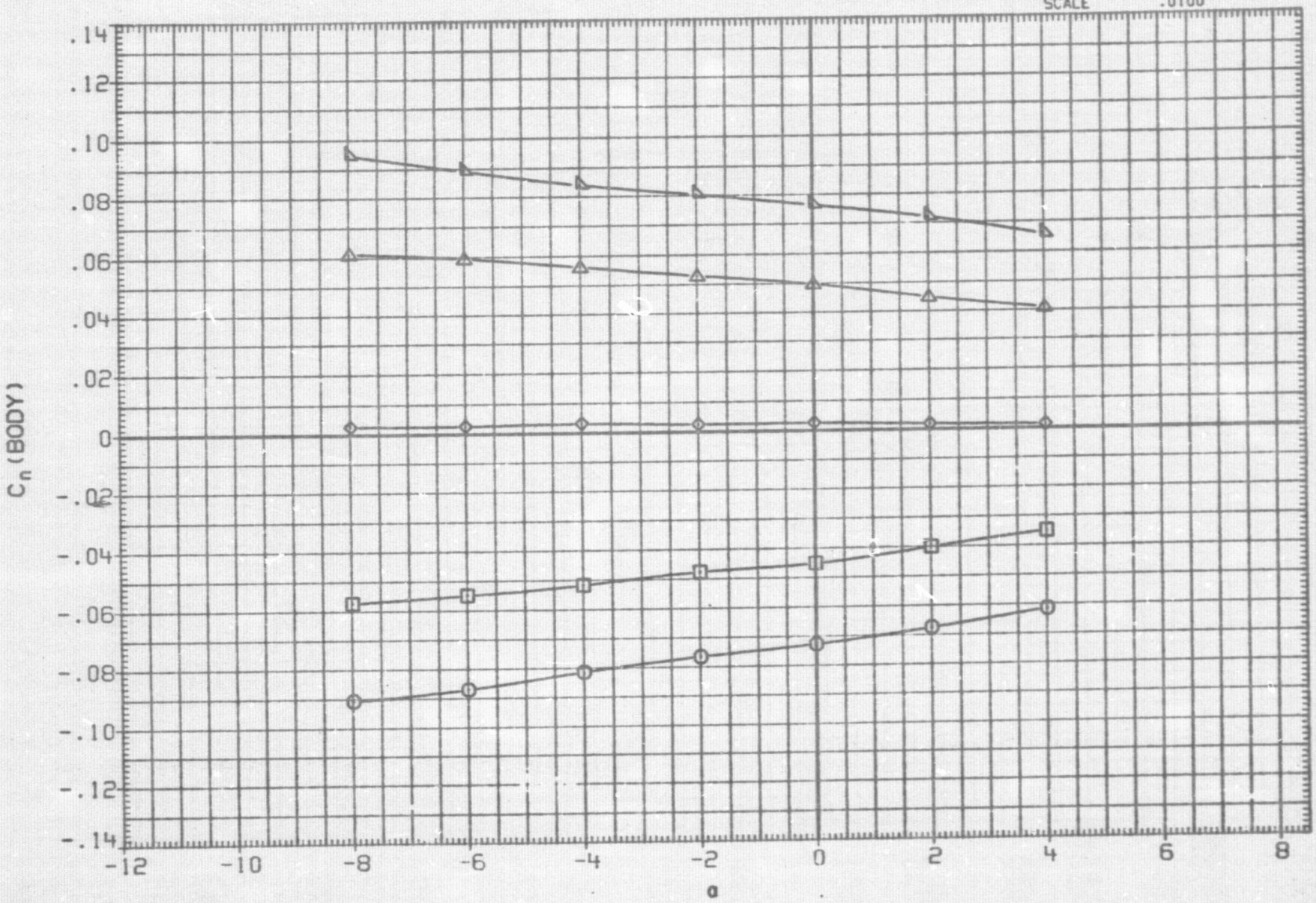


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA21	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA22	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA23	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA24	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA25	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

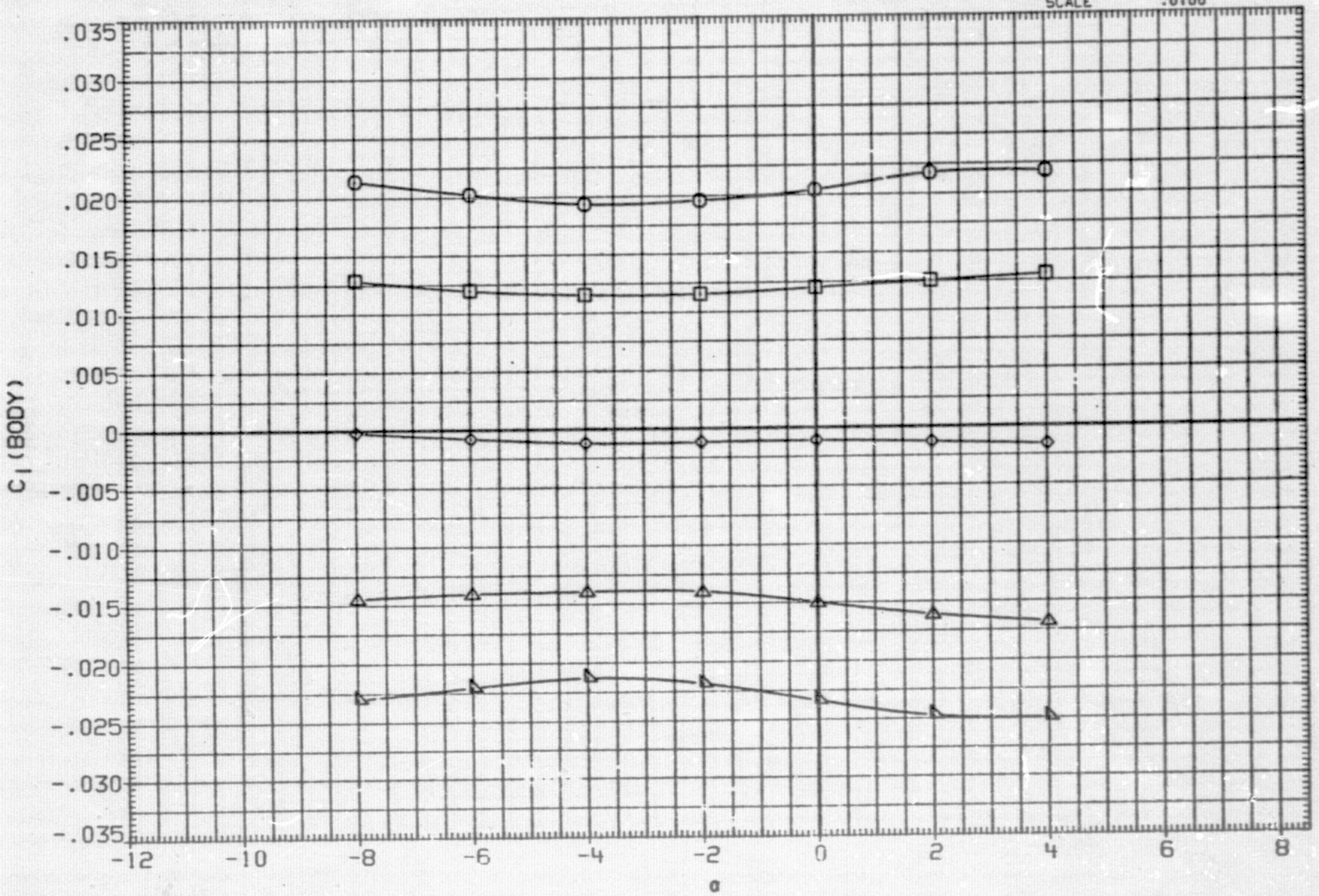


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA30	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

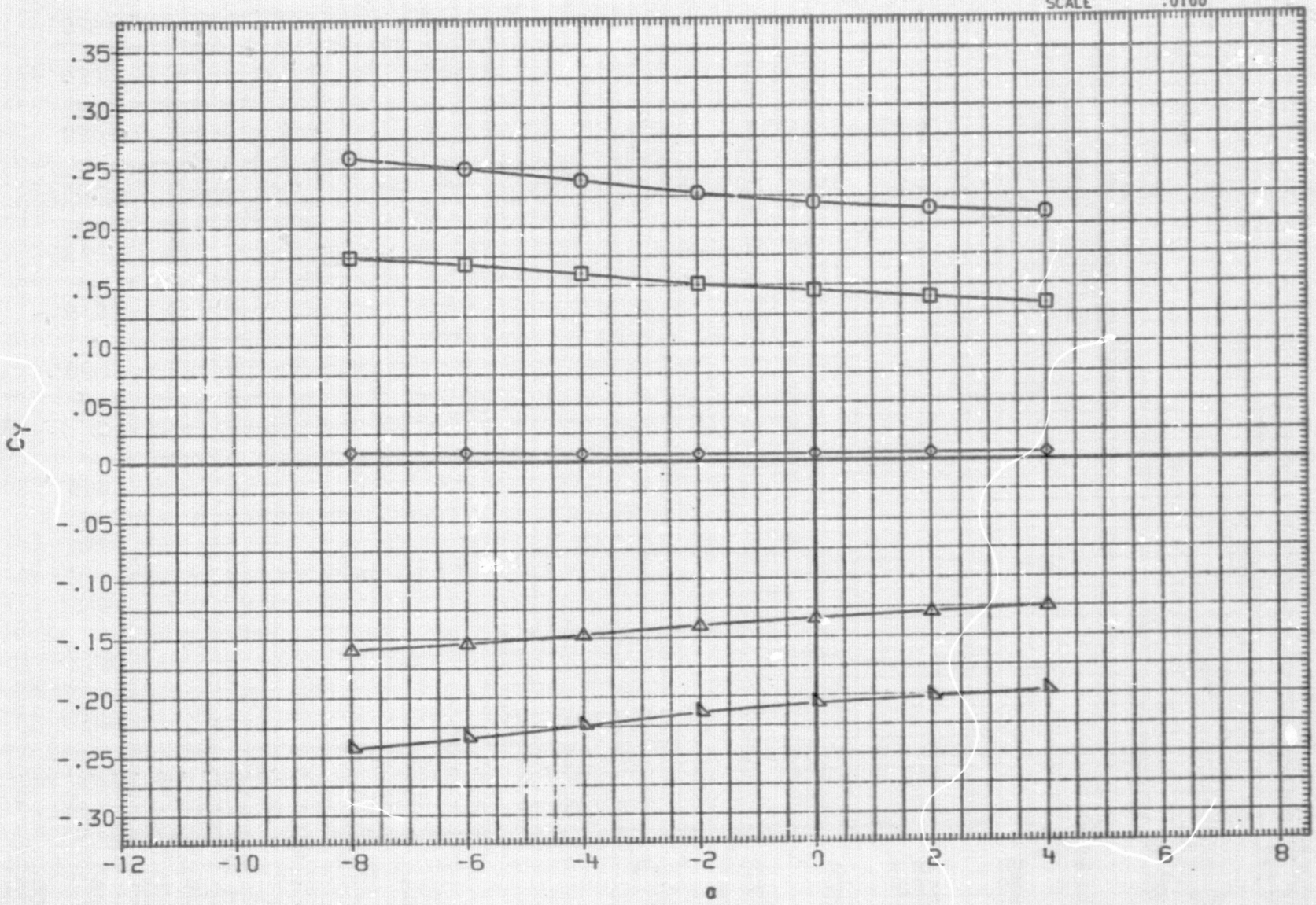


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	.000	.000	.000
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	.000	.000	.000
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	.000	.000	.000
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	.000	.000	.000
MJWA30	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

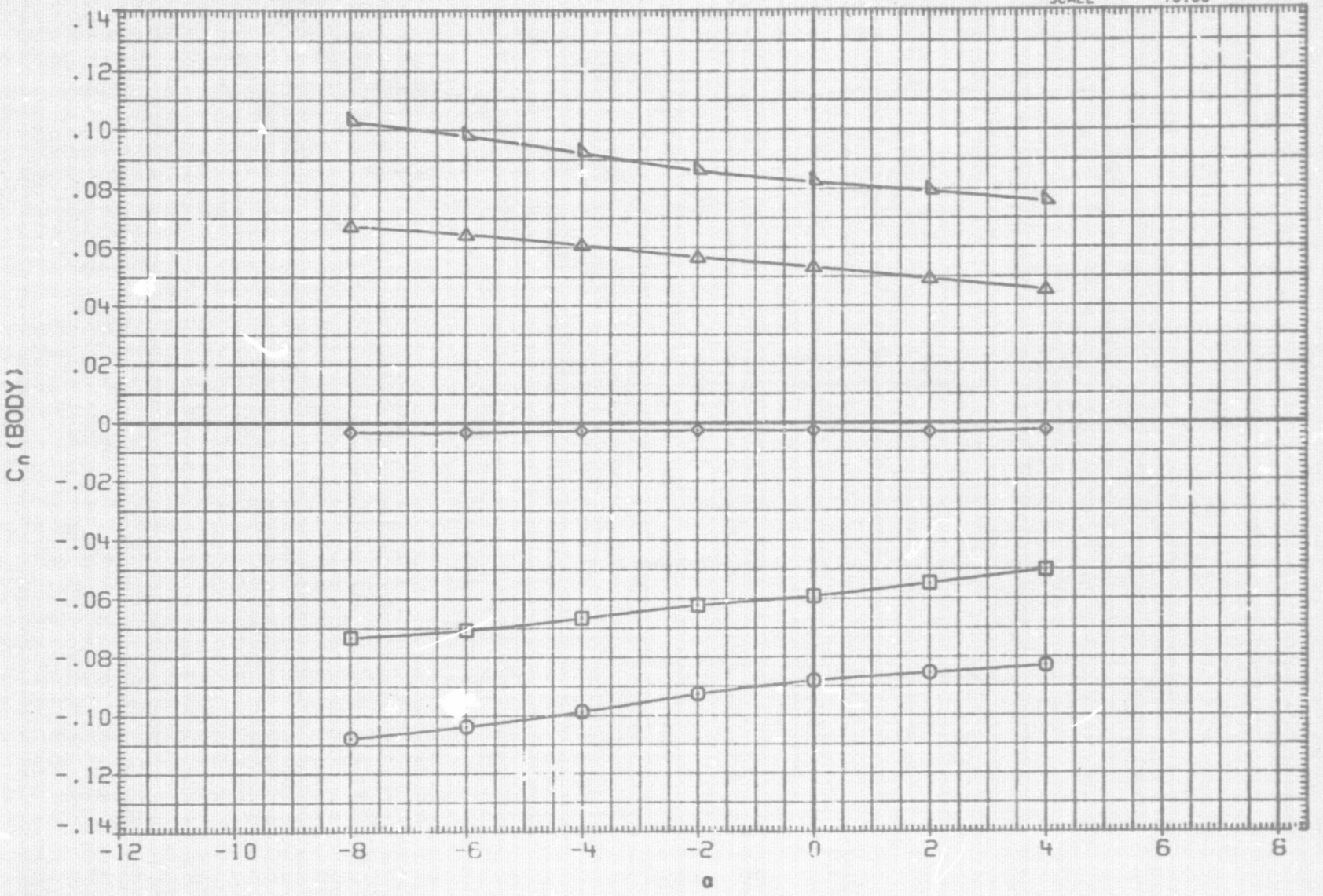


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(IA948) OTSAT130
MJWA27	□	LARC UPWT 1177(IA948) OTSAT130
MJWA28	◇	LARC UPWT 1177(IA948) OTSAT130
MJWA29	△	LARC UPWT 1177(IA948) OTSAT130
MJWA30	▽	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

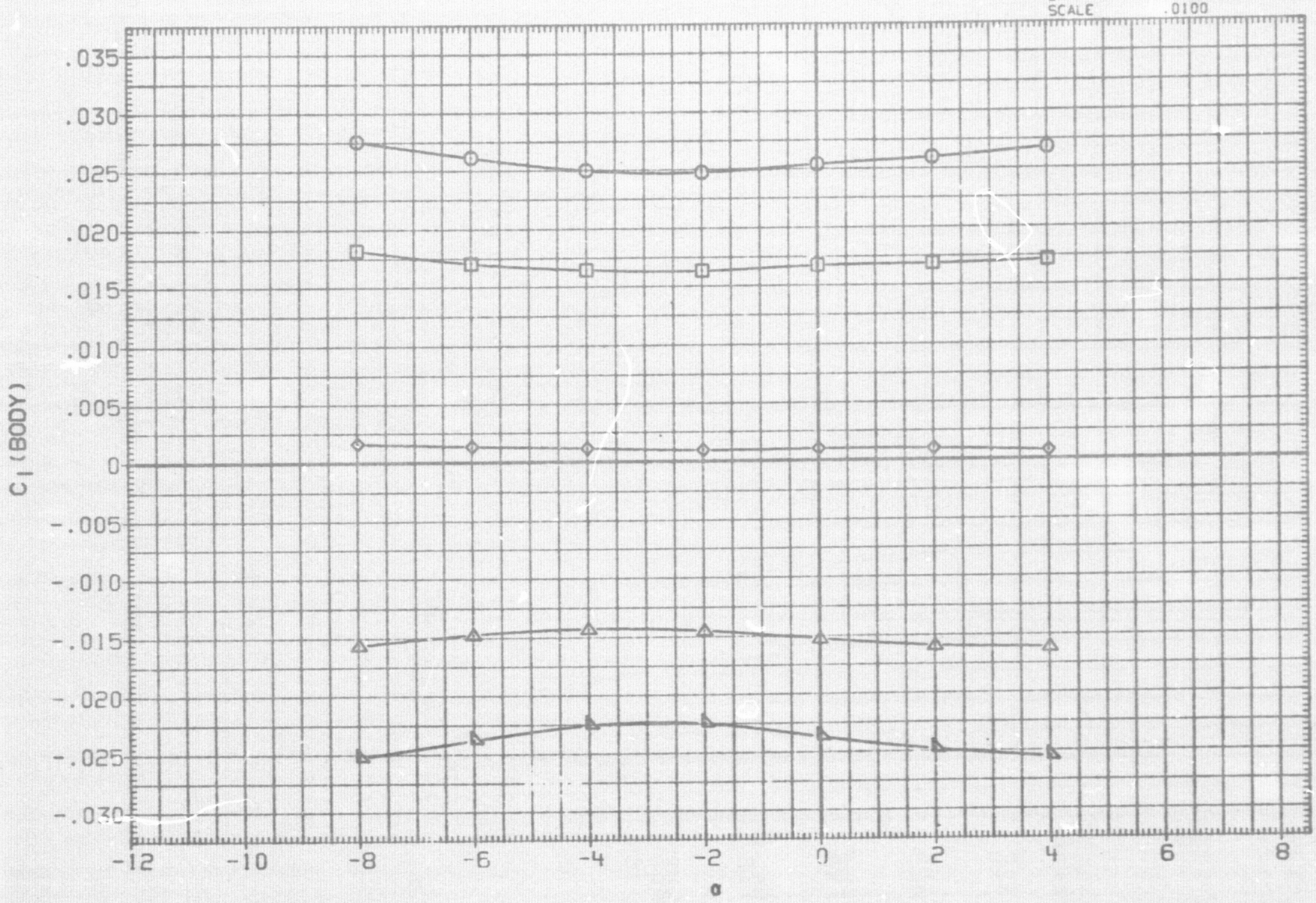


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA30	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

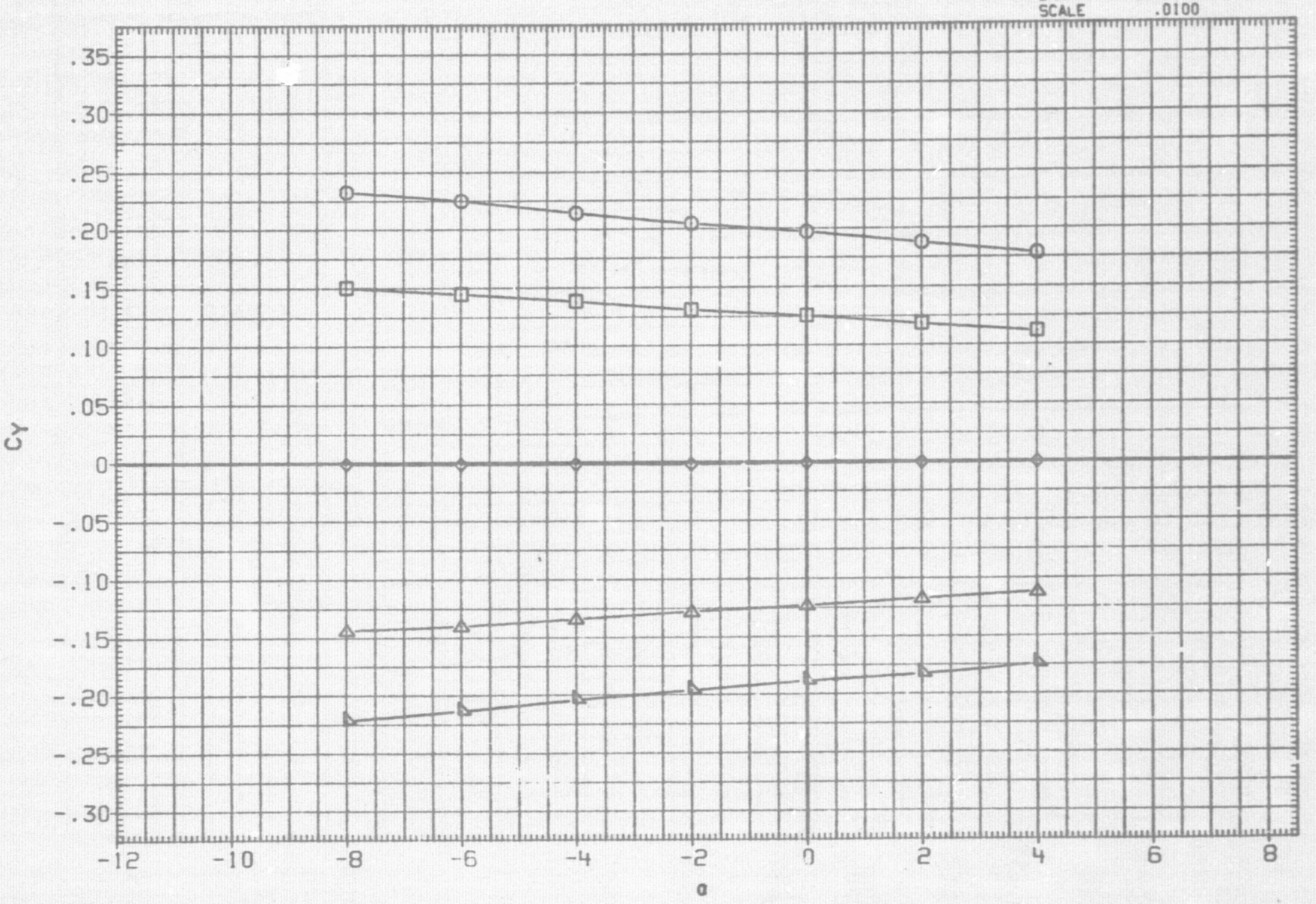


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA30	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

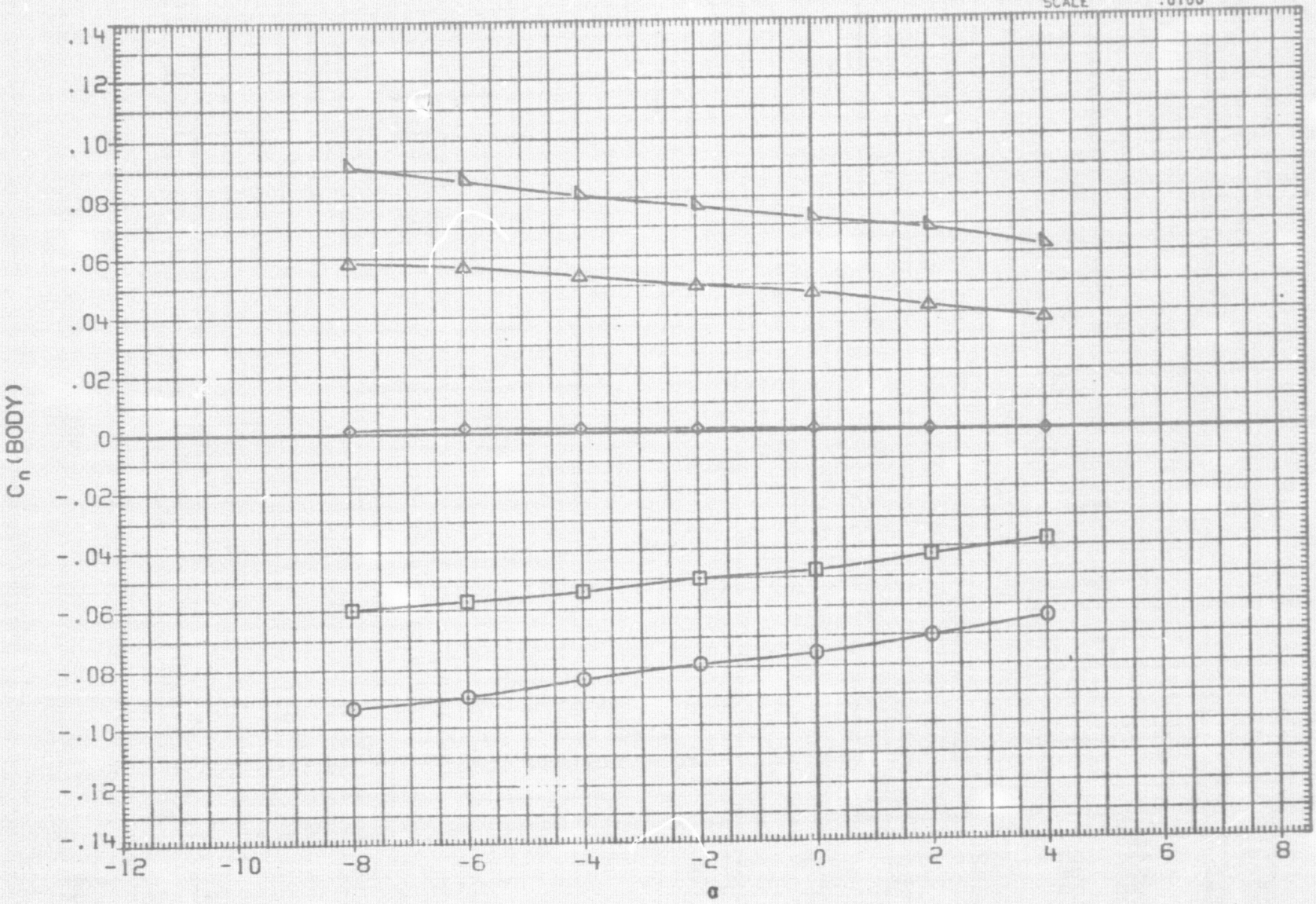


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA30	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

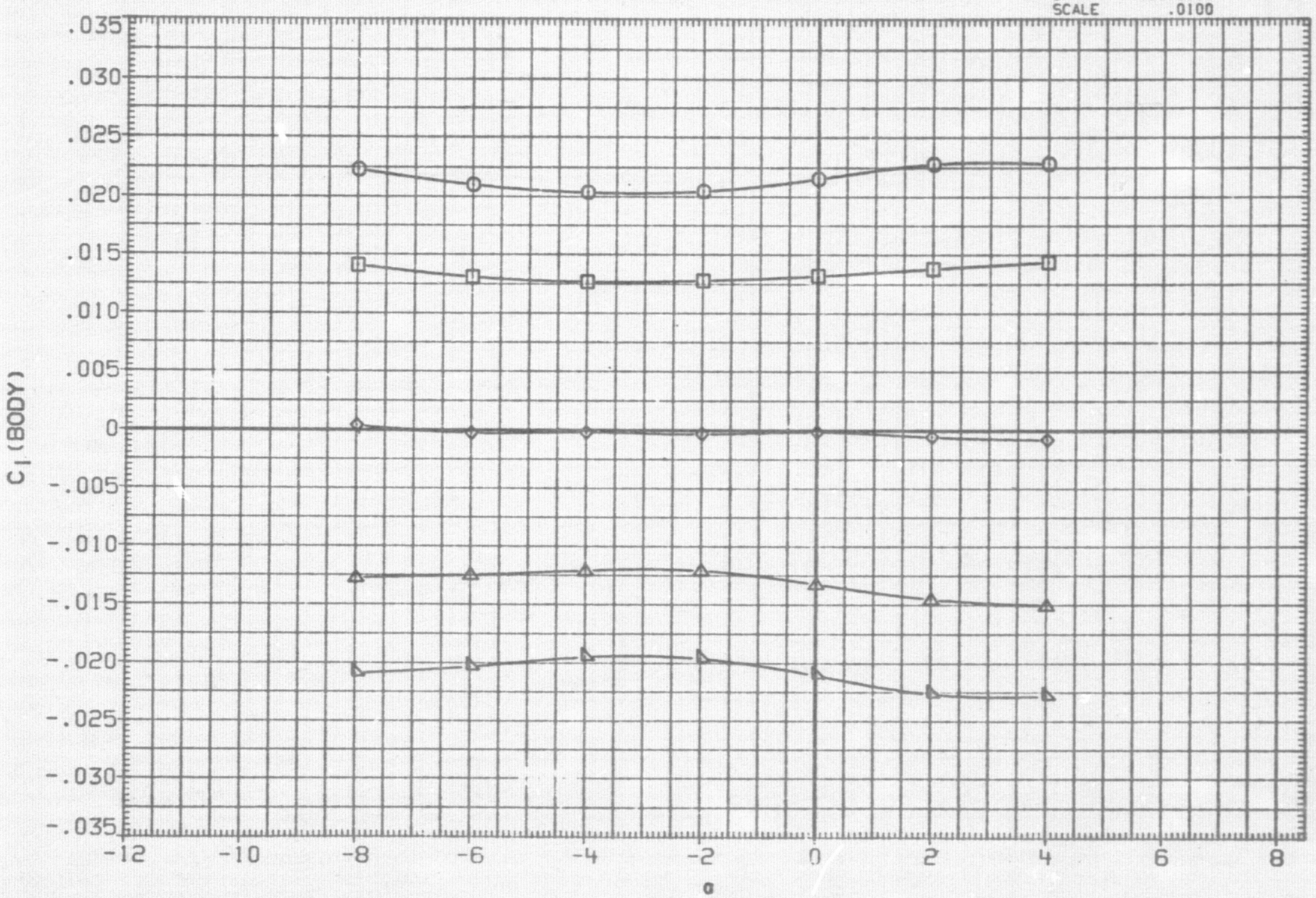


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(1A948) OTSAT130
MJWA33	□	LARC UPWT 1177(1A948) OTSAT130
MJWA34	◇	LARC UPWT 1177(1A948) OTSAT130
MJWA35	△	LARC UPWT 1177(1A948) OTSAT130
MJWA36	▽	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

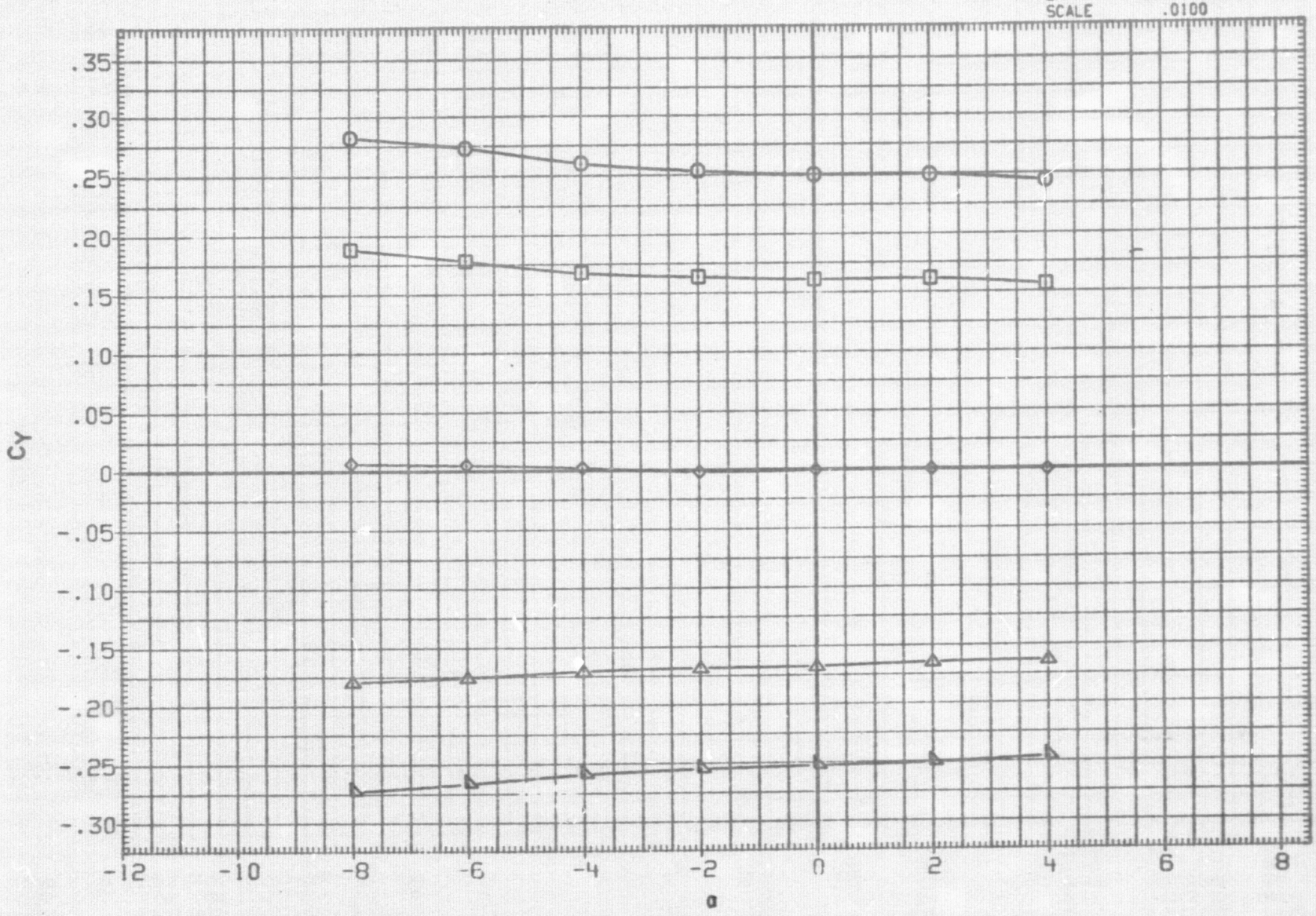


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

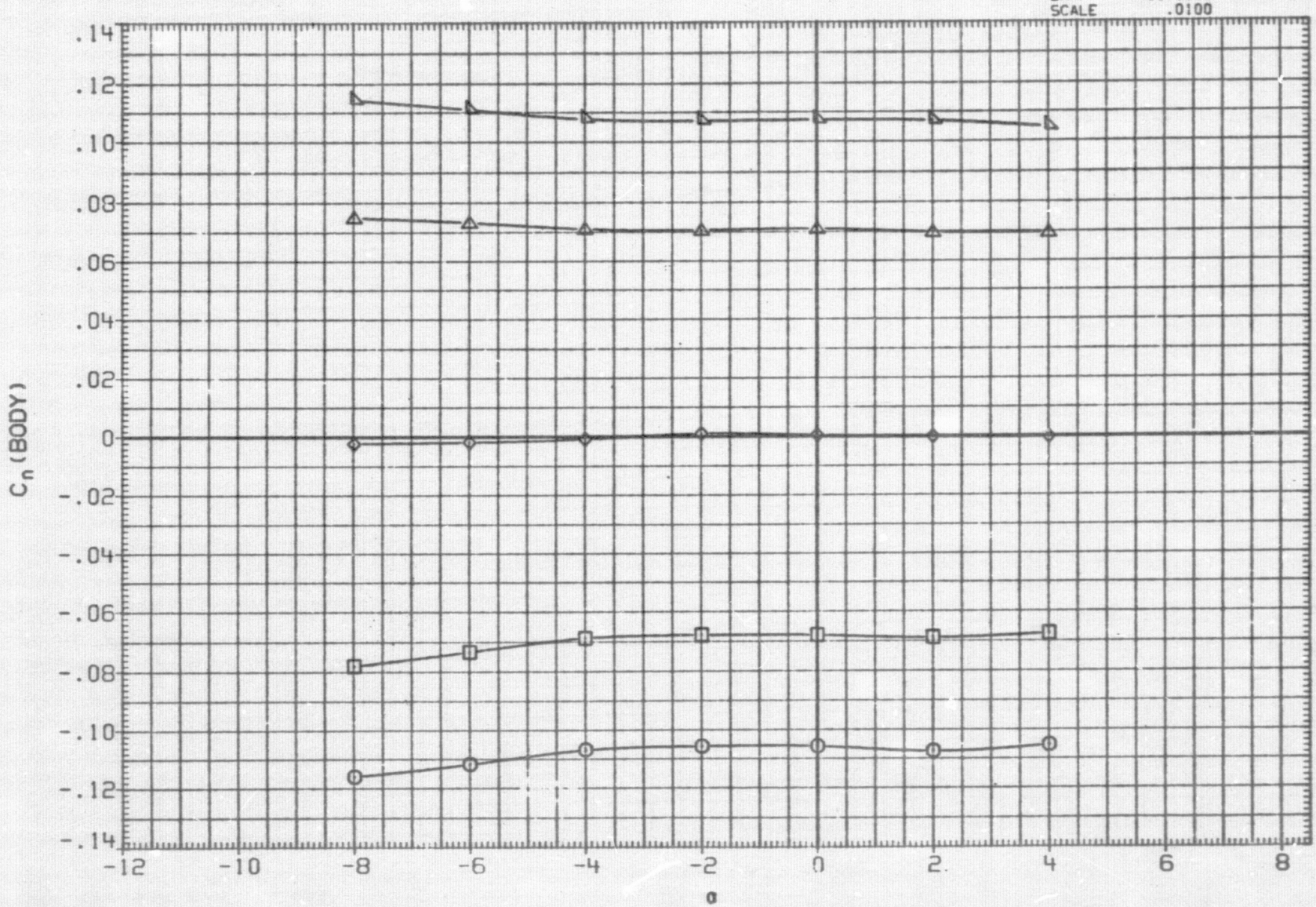


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

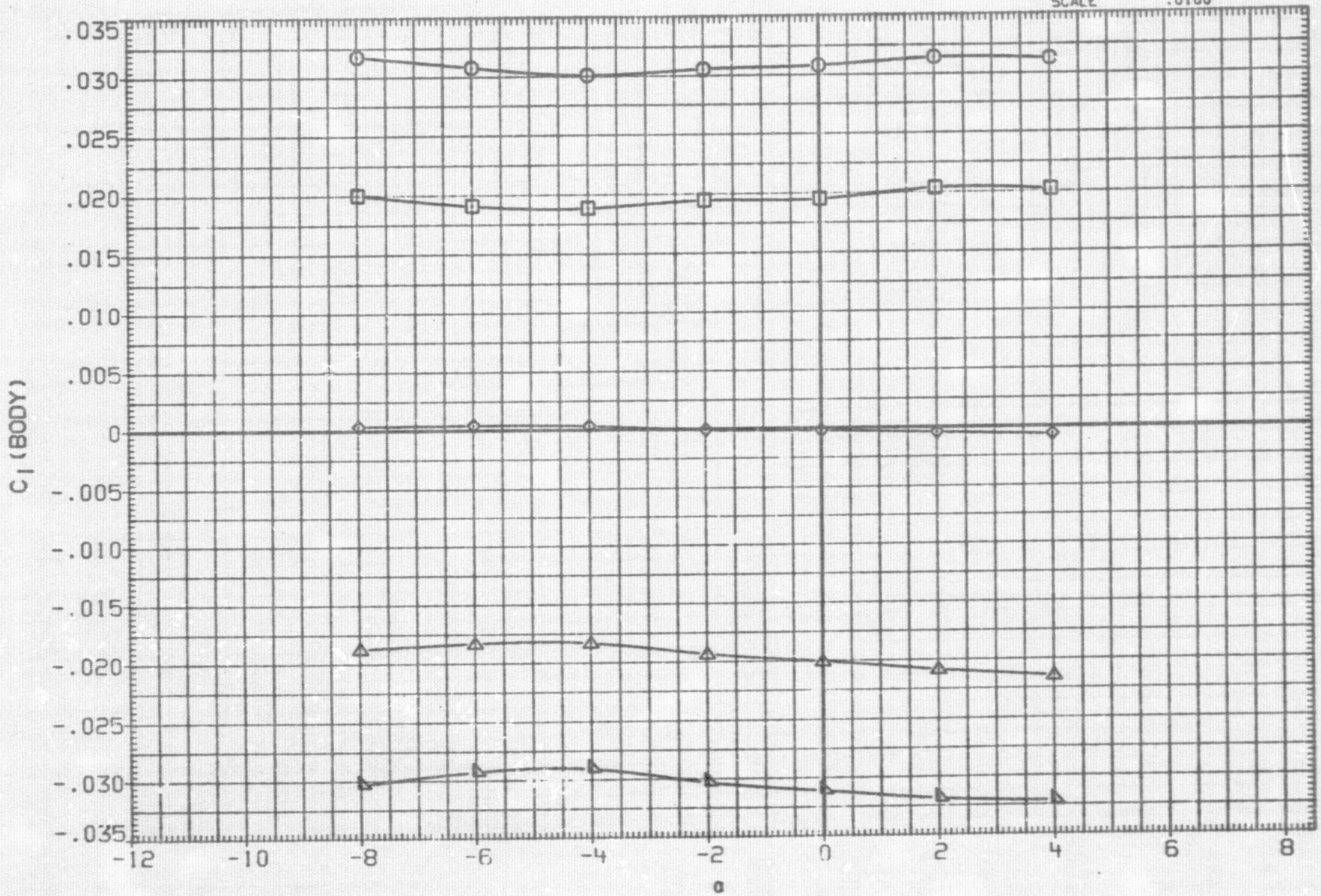


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

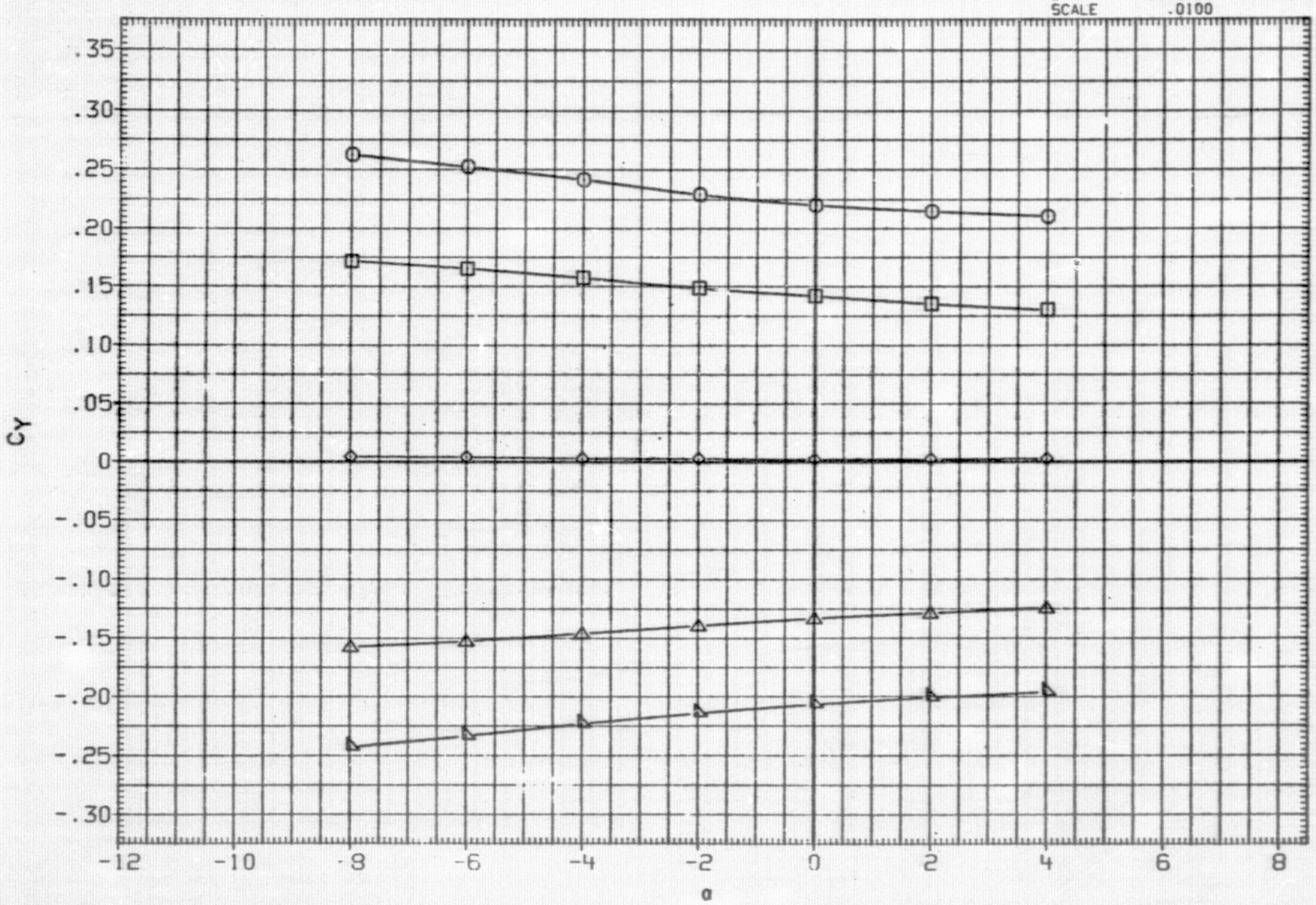


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

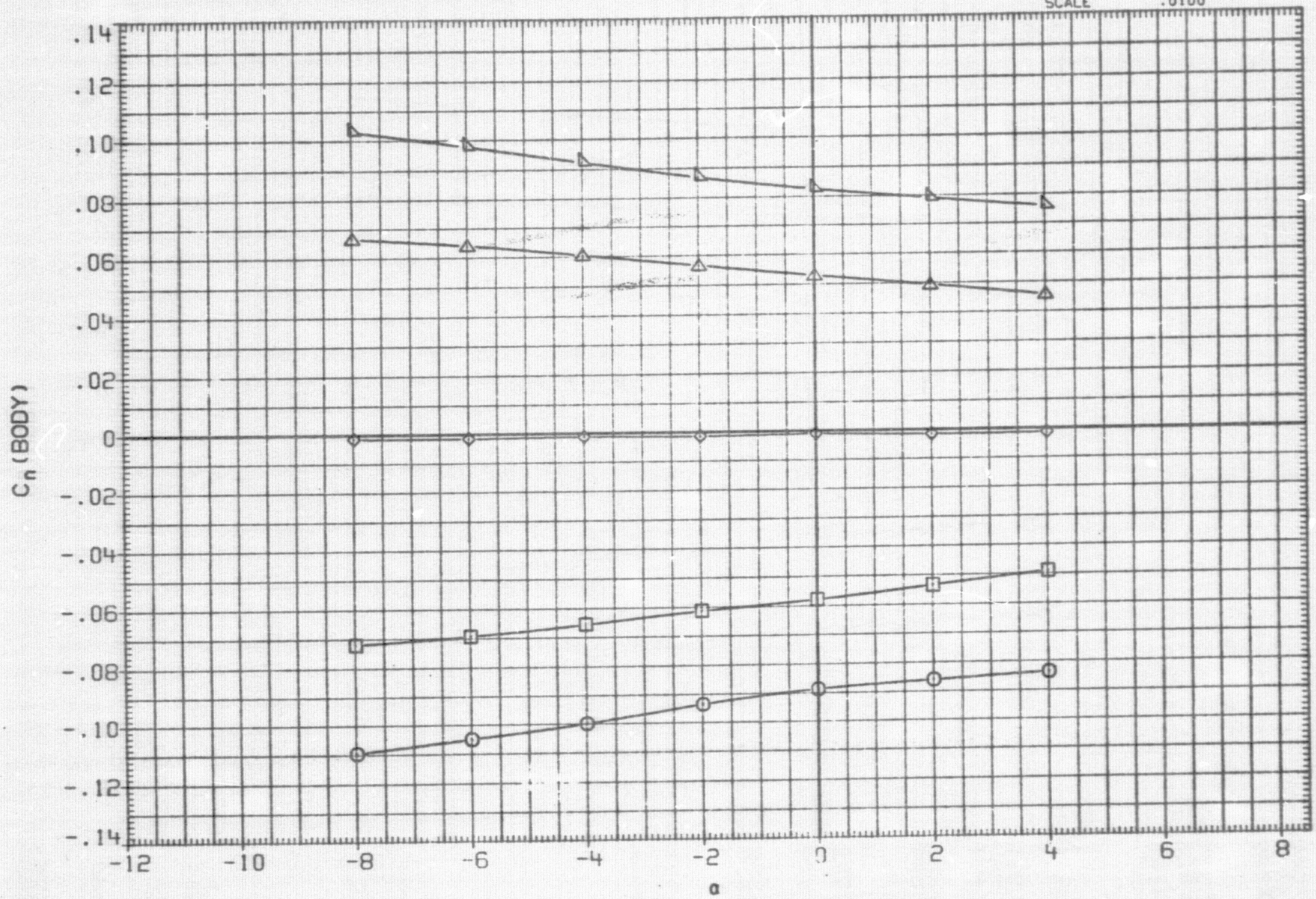


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA33	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA35	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA36	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

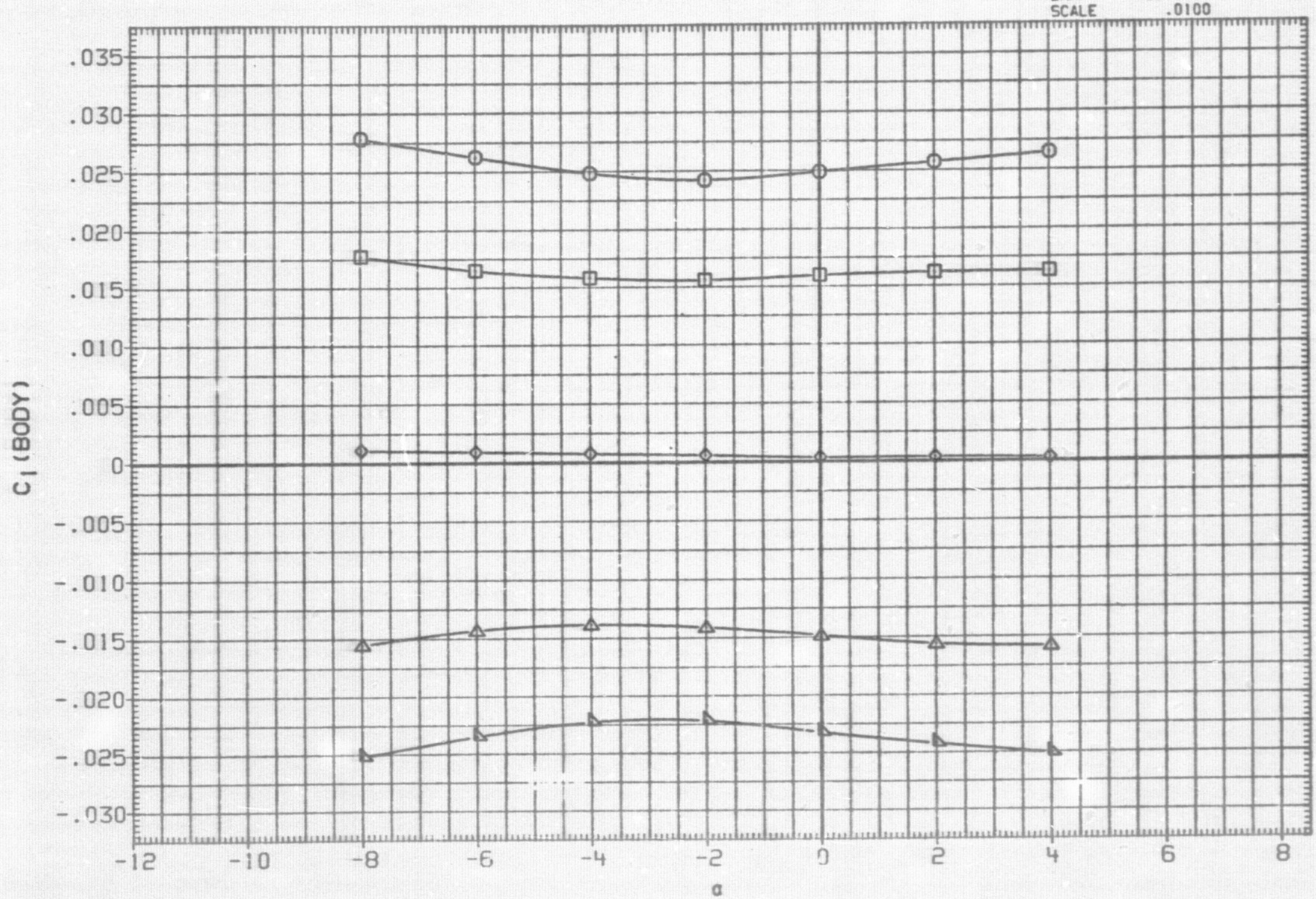


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

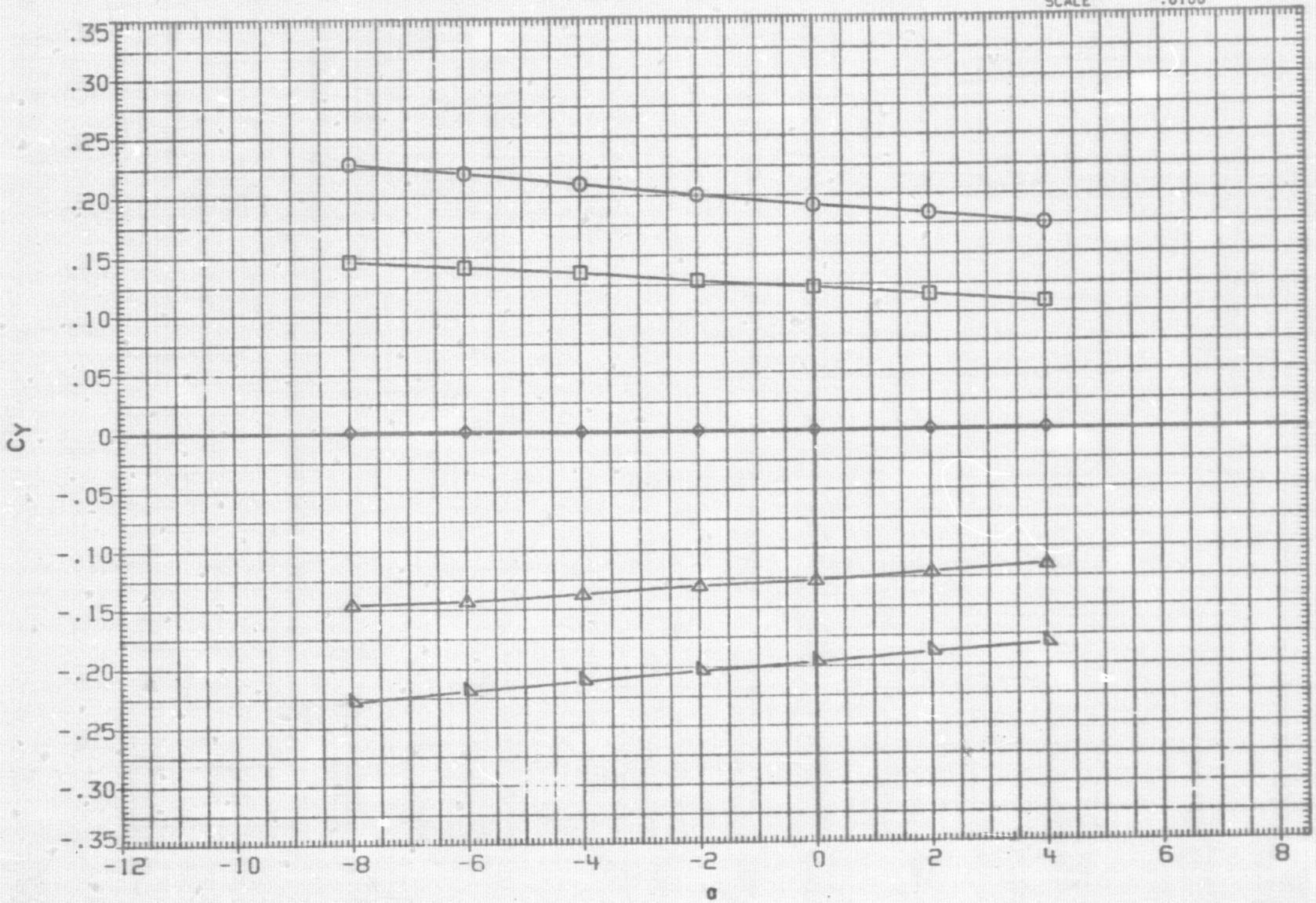


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

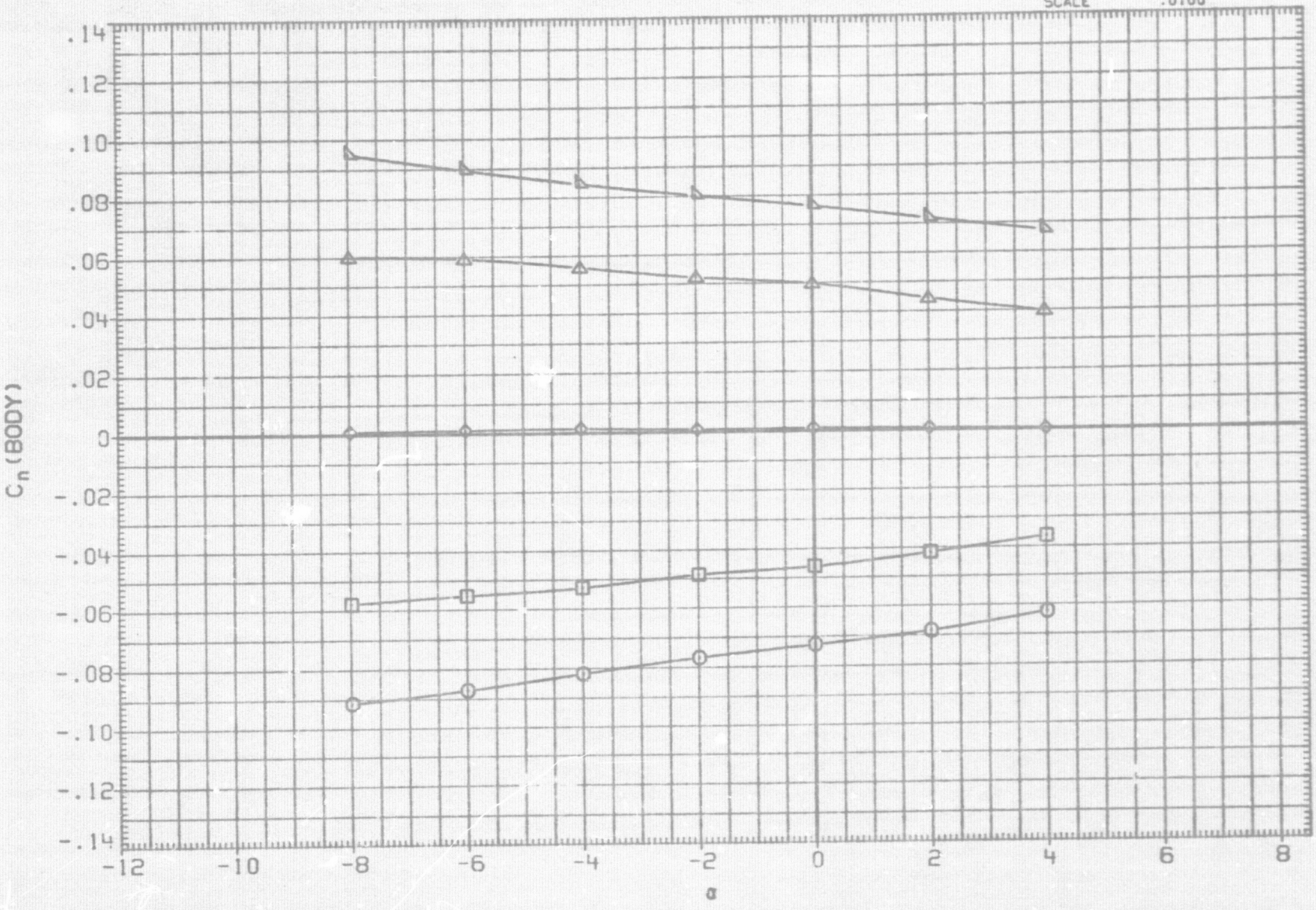


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(IA948) OTSAT130
MJWA33	□	LARC UPWT 1177(IA948) OTSAT130
MJWA34	◇	LARC UPWT 1177(IA948) OTSAT130
MJWA35	△	LARC UPWT 1177(IA948) OTSAT130
MJWA36	▽	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

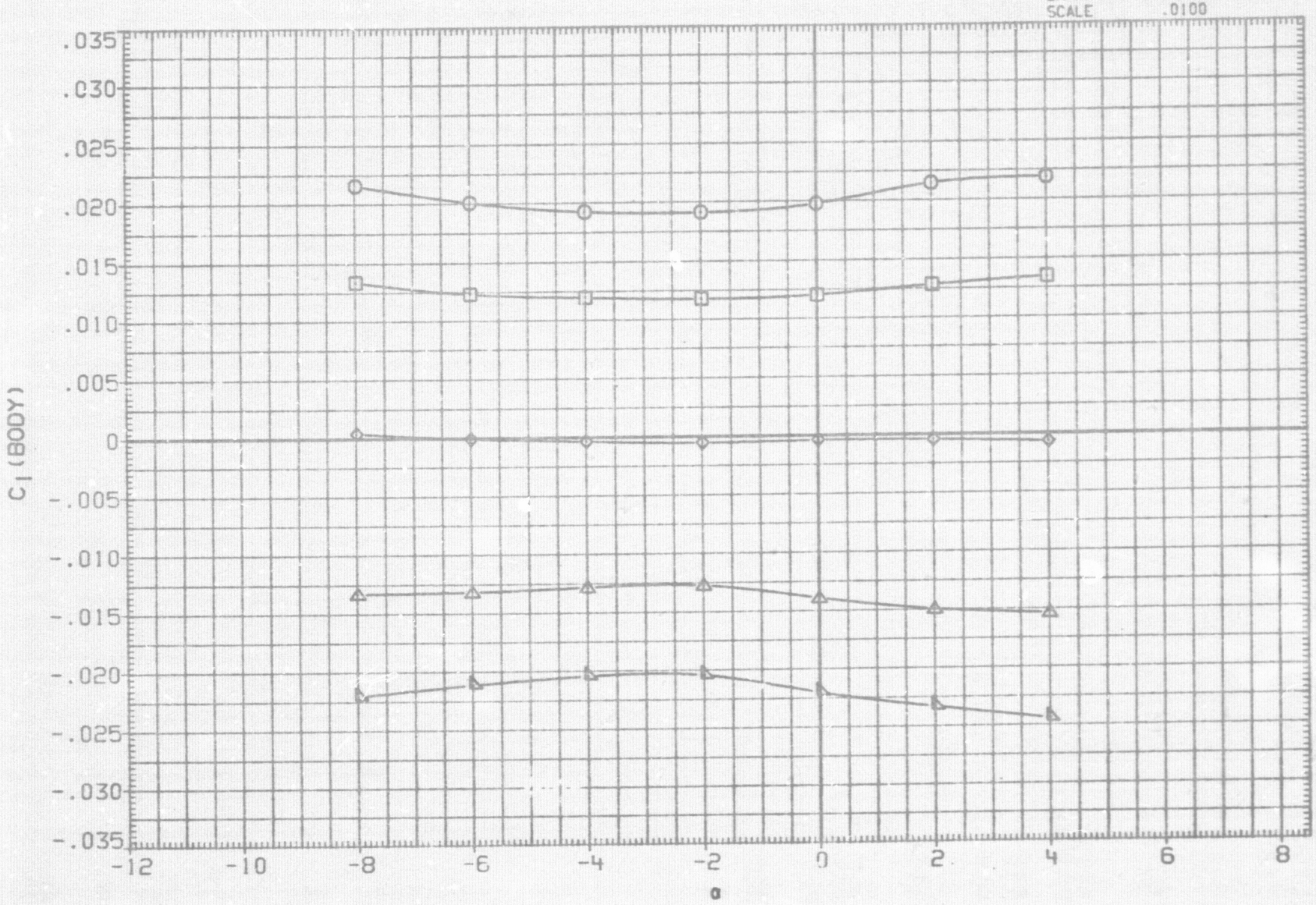


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA41	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

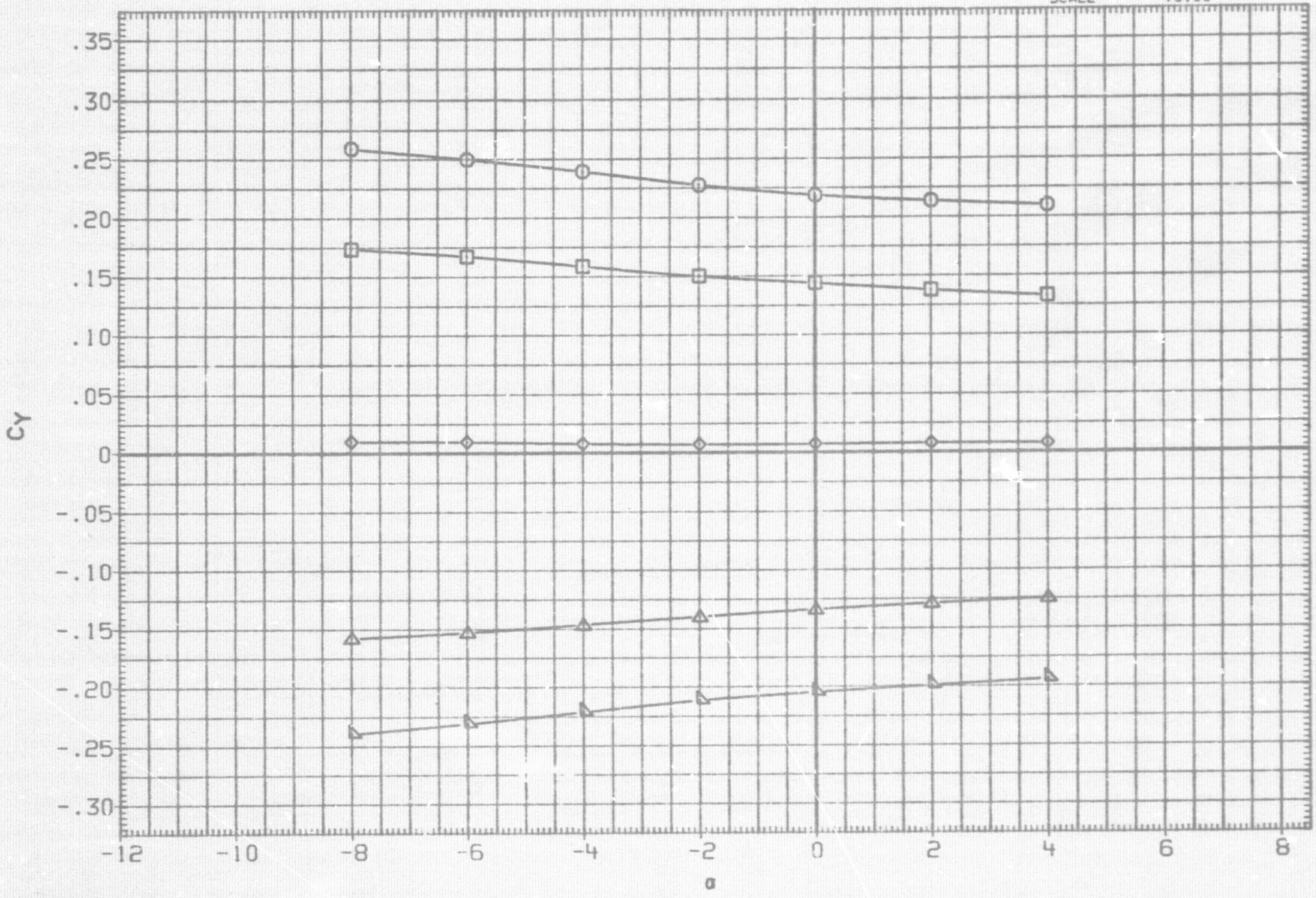


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA37	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWA38	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWA39	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWA40	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWA41	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

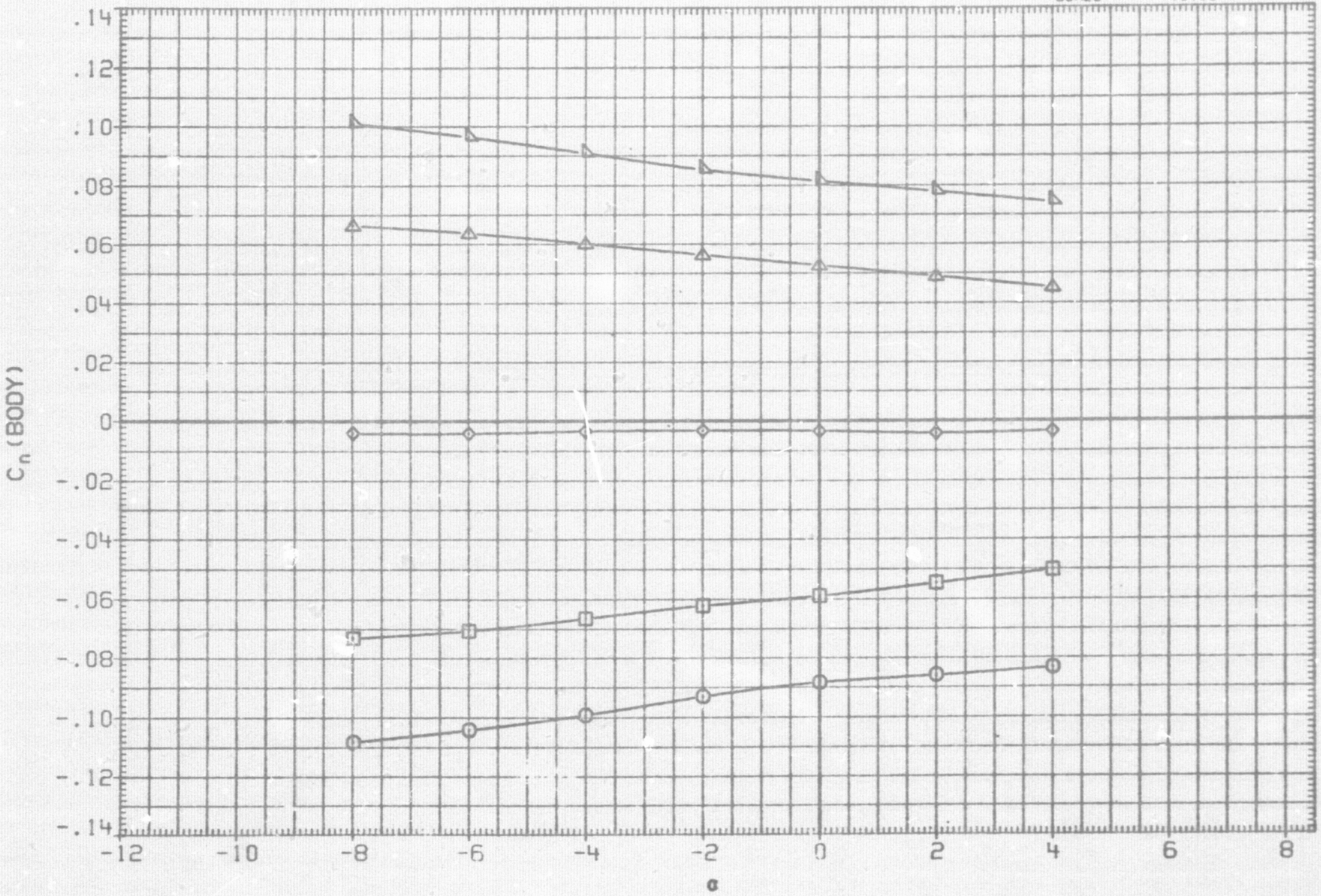


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA41	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

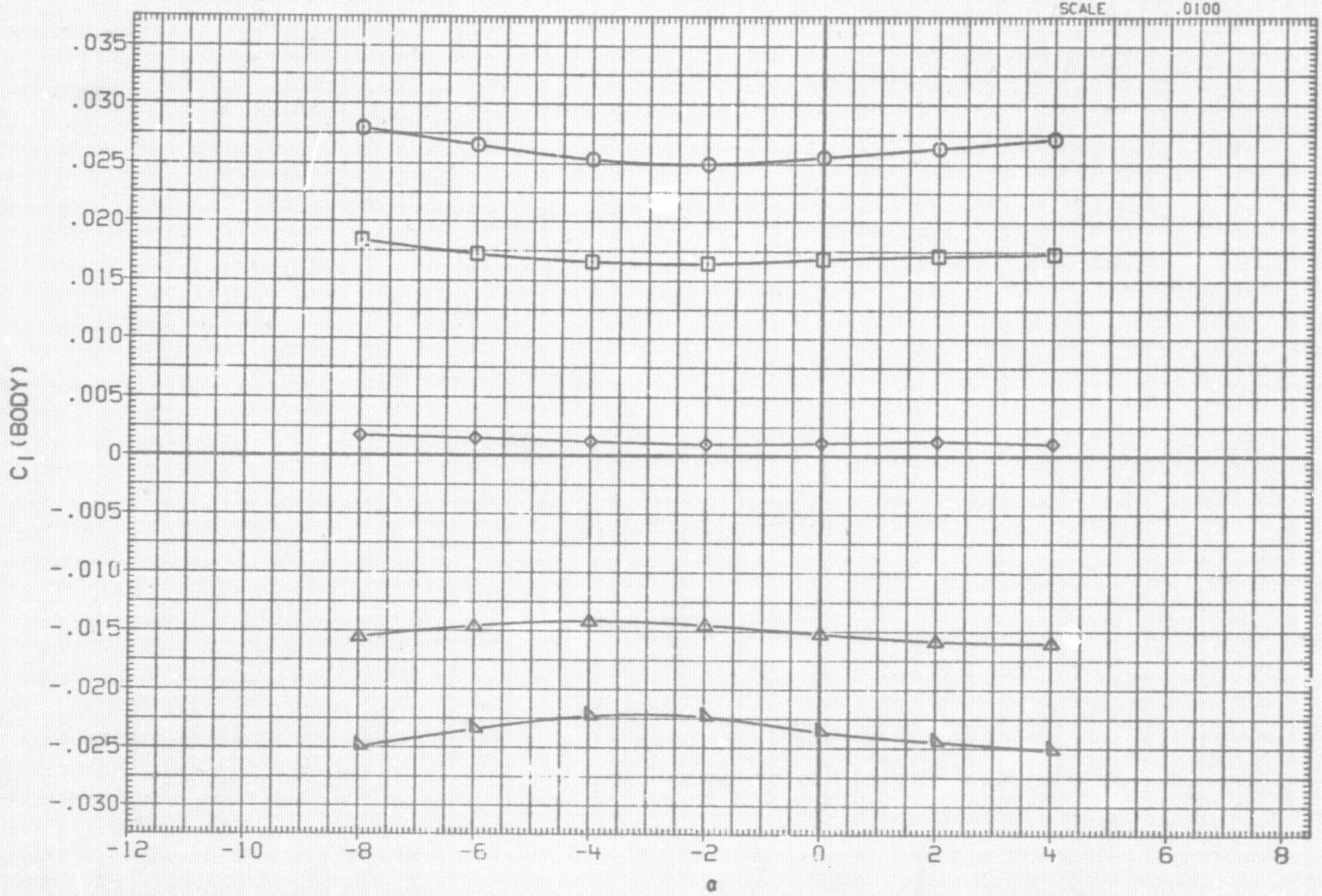


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

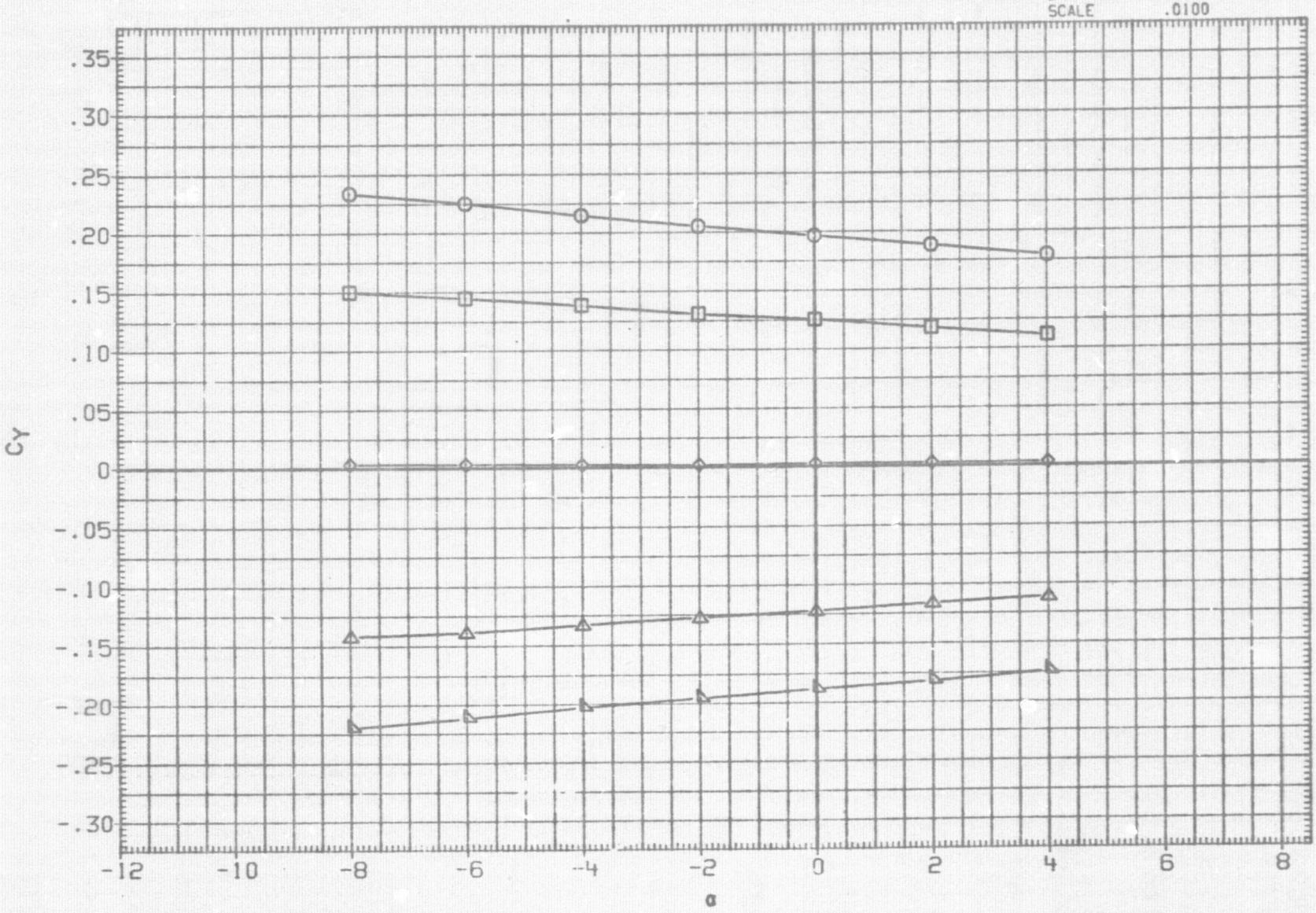


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA40	◁	LARC UPWT 1177(1A94B) OTSAT130
MJWA41	△	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

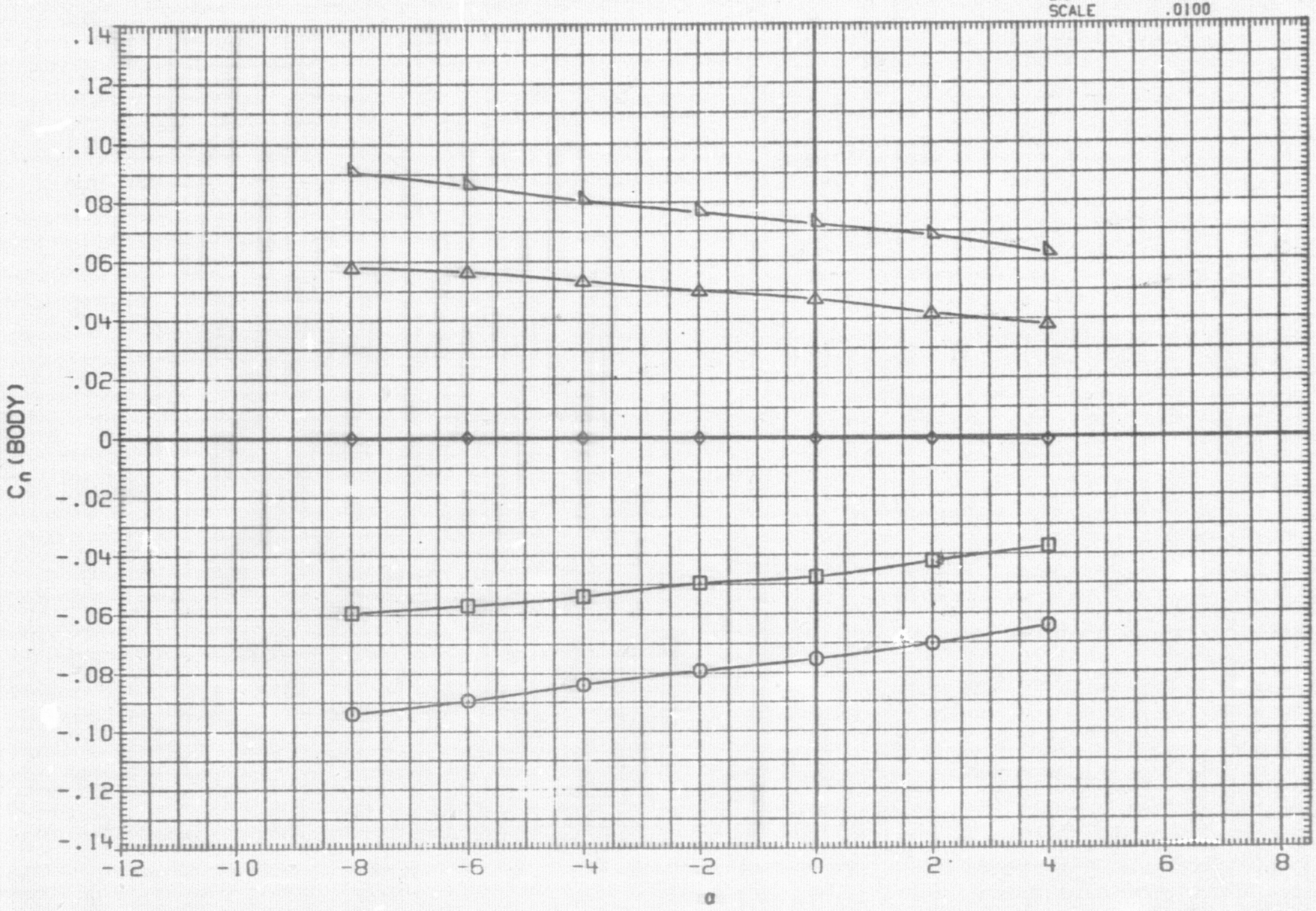


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA37	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWA38	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWA39	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWA40	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWA41	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

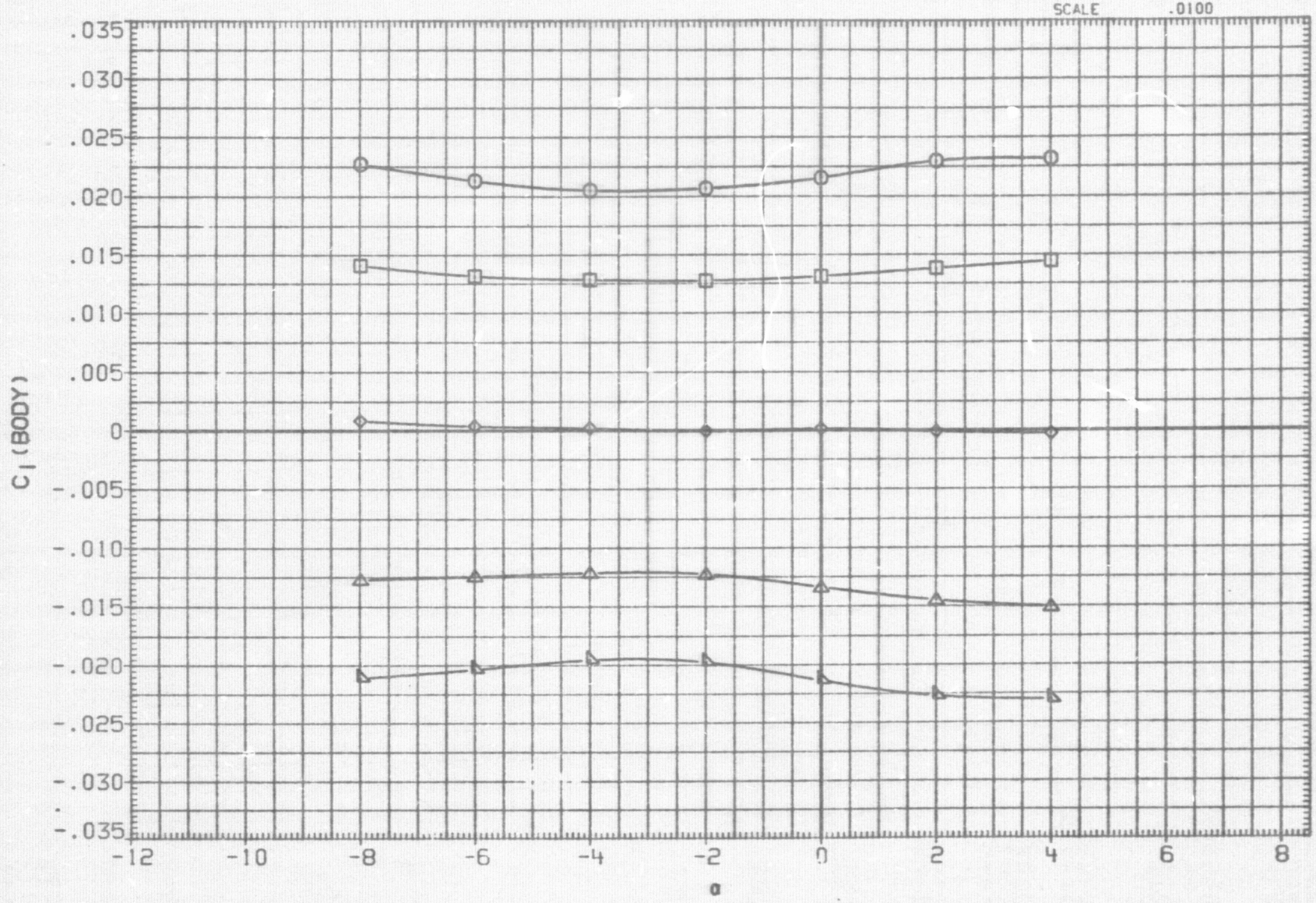


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA42	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA43	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA44	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA45	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA46	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

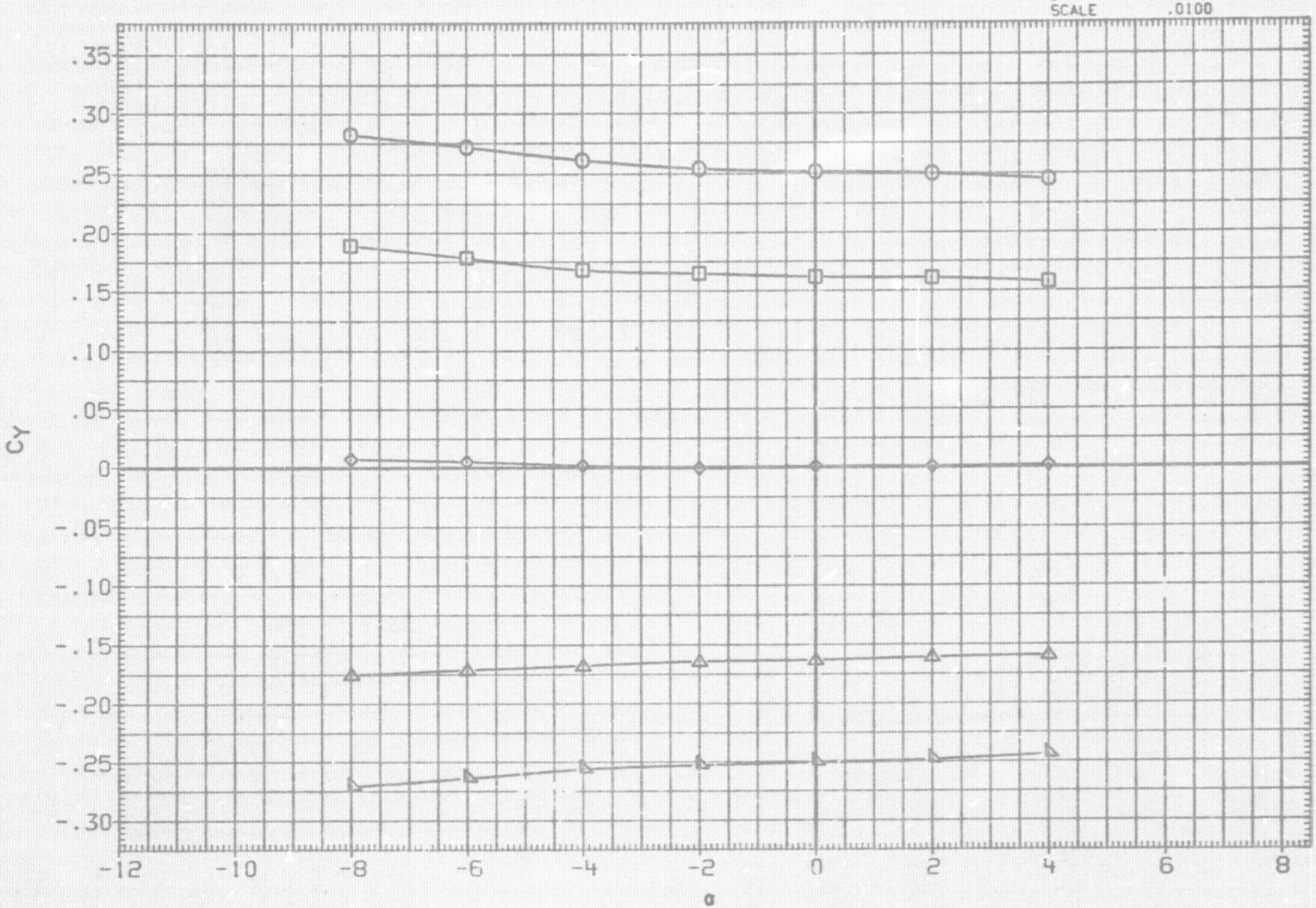


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA42	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	2.000	.000	2.000
MJWA43	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	2.000	.000	2.000
MJWA44	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	2.000	.000	2.000
MJWA45	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	2.000	.000	2.000
MJWA46	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

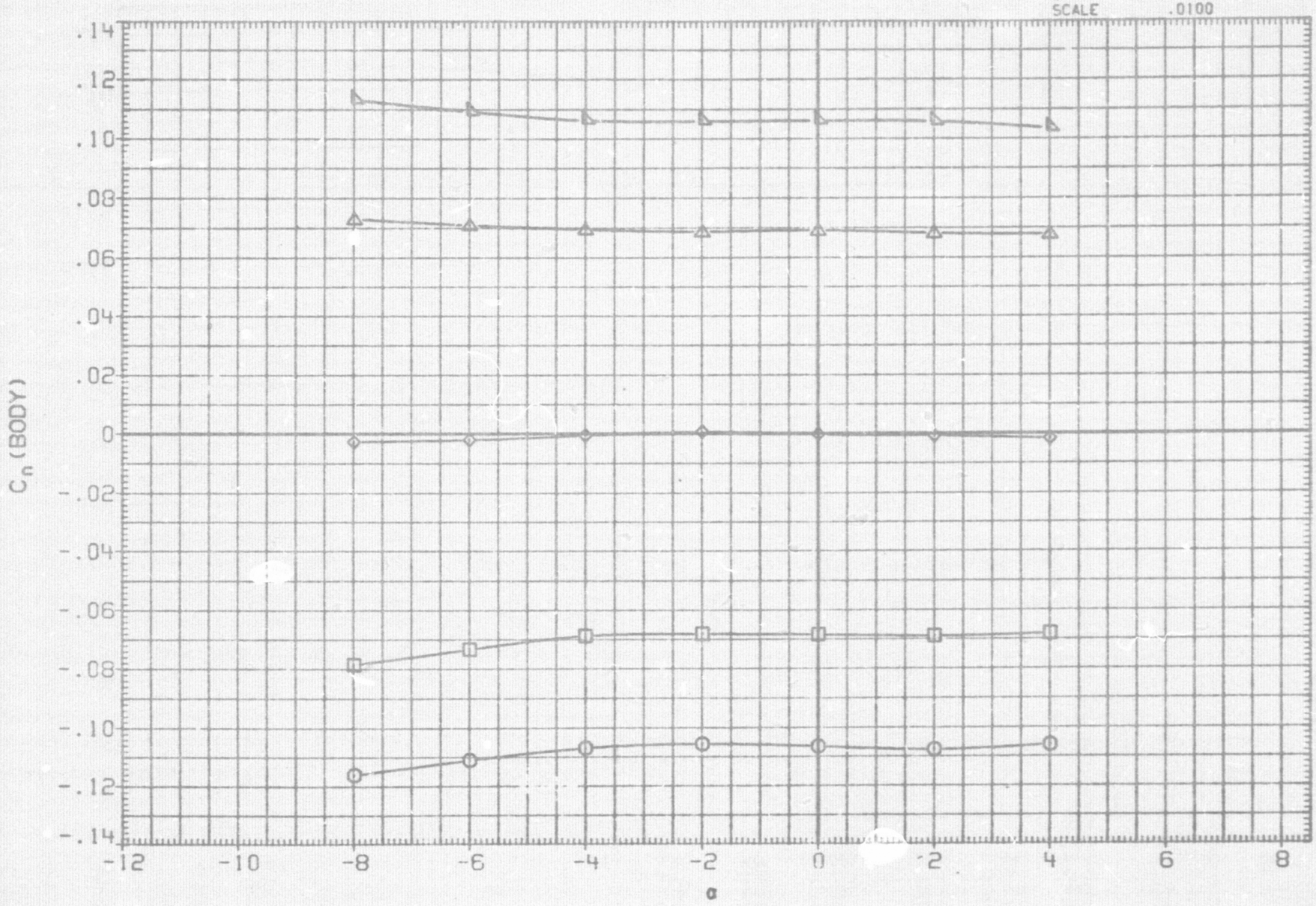


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA42	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	2.000	.000	2.000
MJWA43	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	2.000	.000	2.000
MJWA44	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	2.000	.000	2.000
MJWA45	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	2.000	.000	2.000
MJWA46	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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ZMRP	400.0000	IN. ZT
SCALE	.0100	

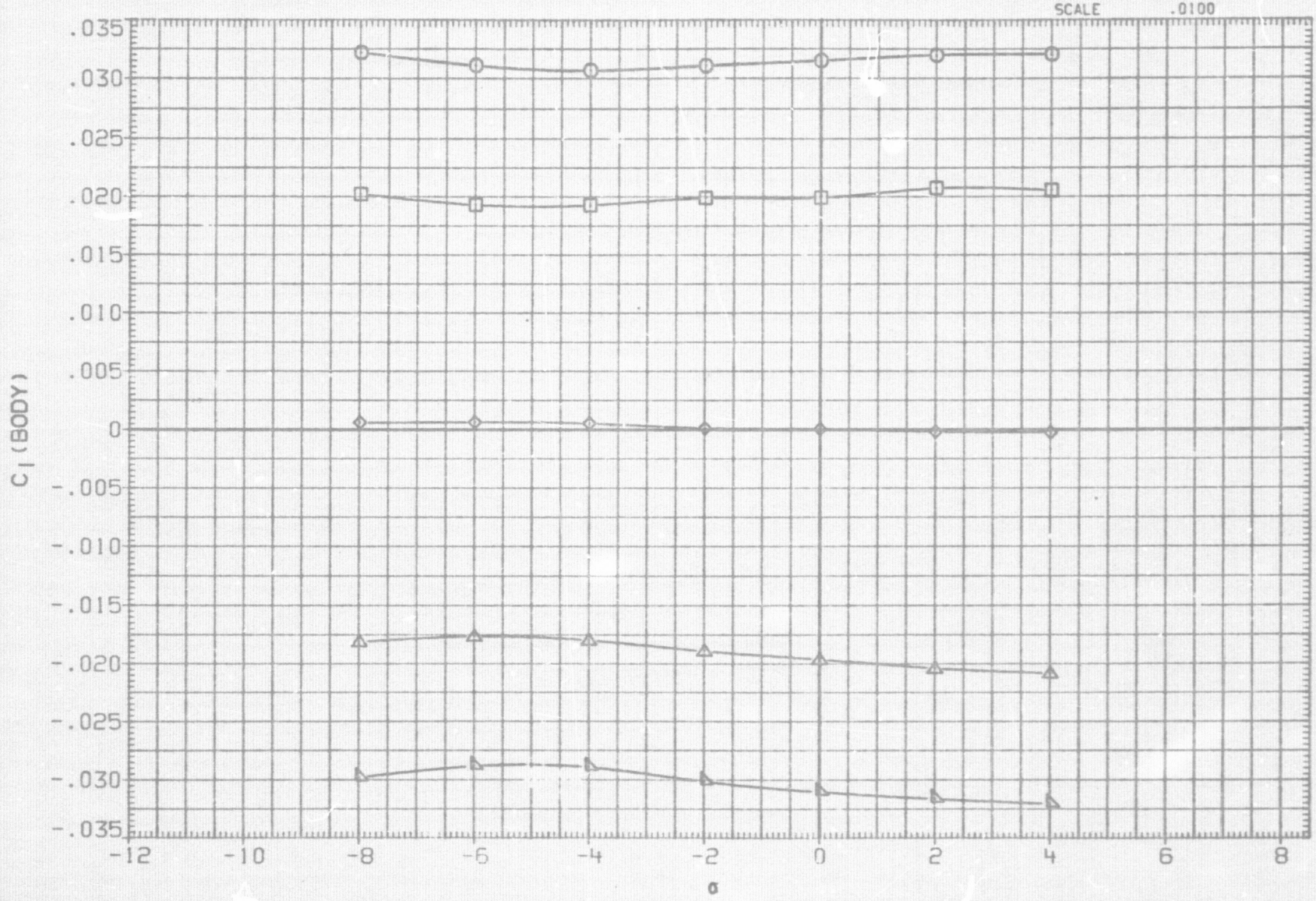


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA47	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	10.000	.000	-10.000
MJWA48	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	10.000	.000	-10.000
MJWA49	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-10.000	.000	-10.000
MJWA50	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-10.000	.000	-10.000
MJWA51	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

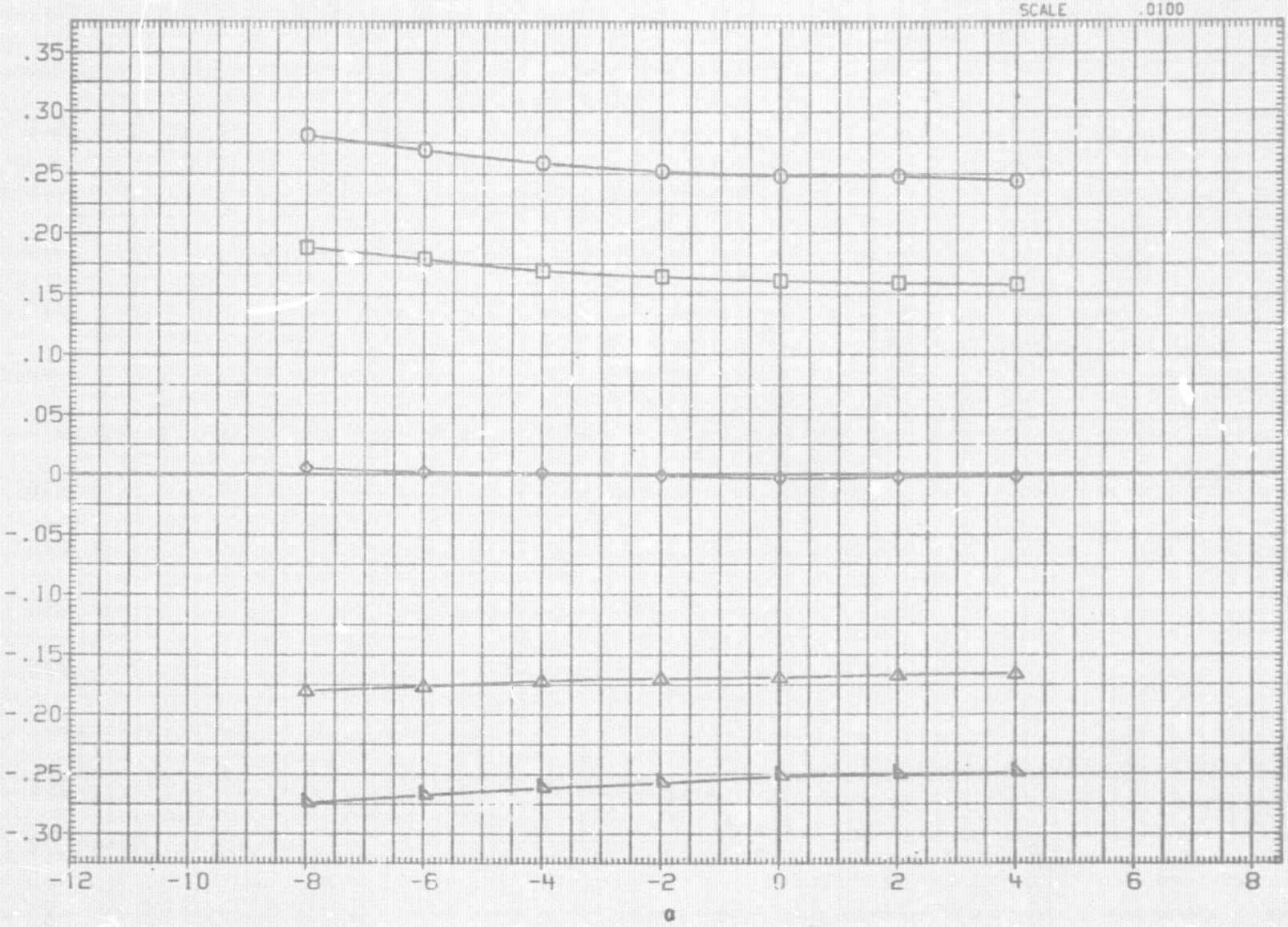


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA47	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA48	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA49	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA50	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA51	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

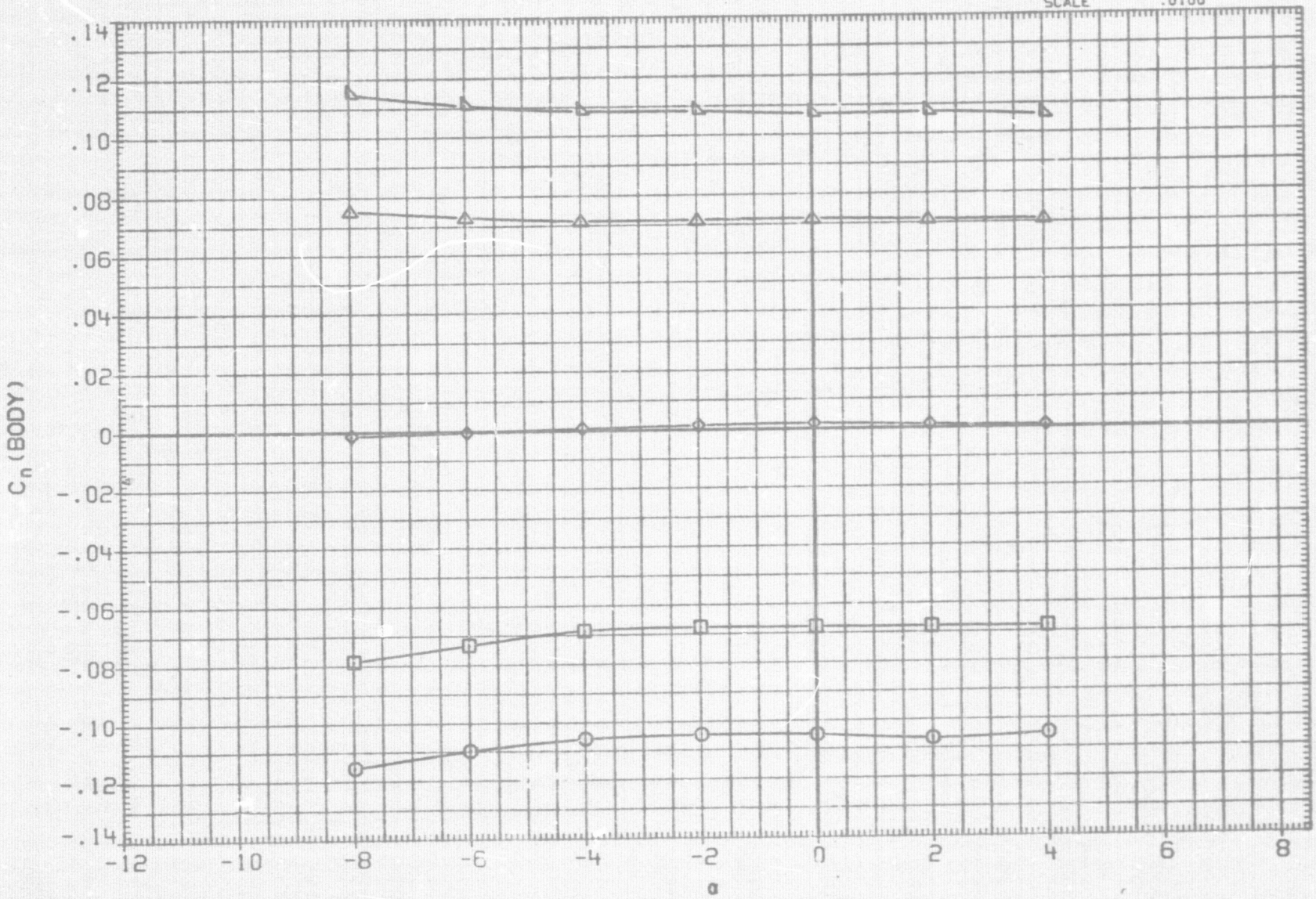


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA47	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-10.000	.000	-10.000
MJWA48	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-10.000	.000	-10.000
MJWA49	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-10.000	.000	-10.000
MJWA50	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-10.000	.000	-10.000
MJWA51	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

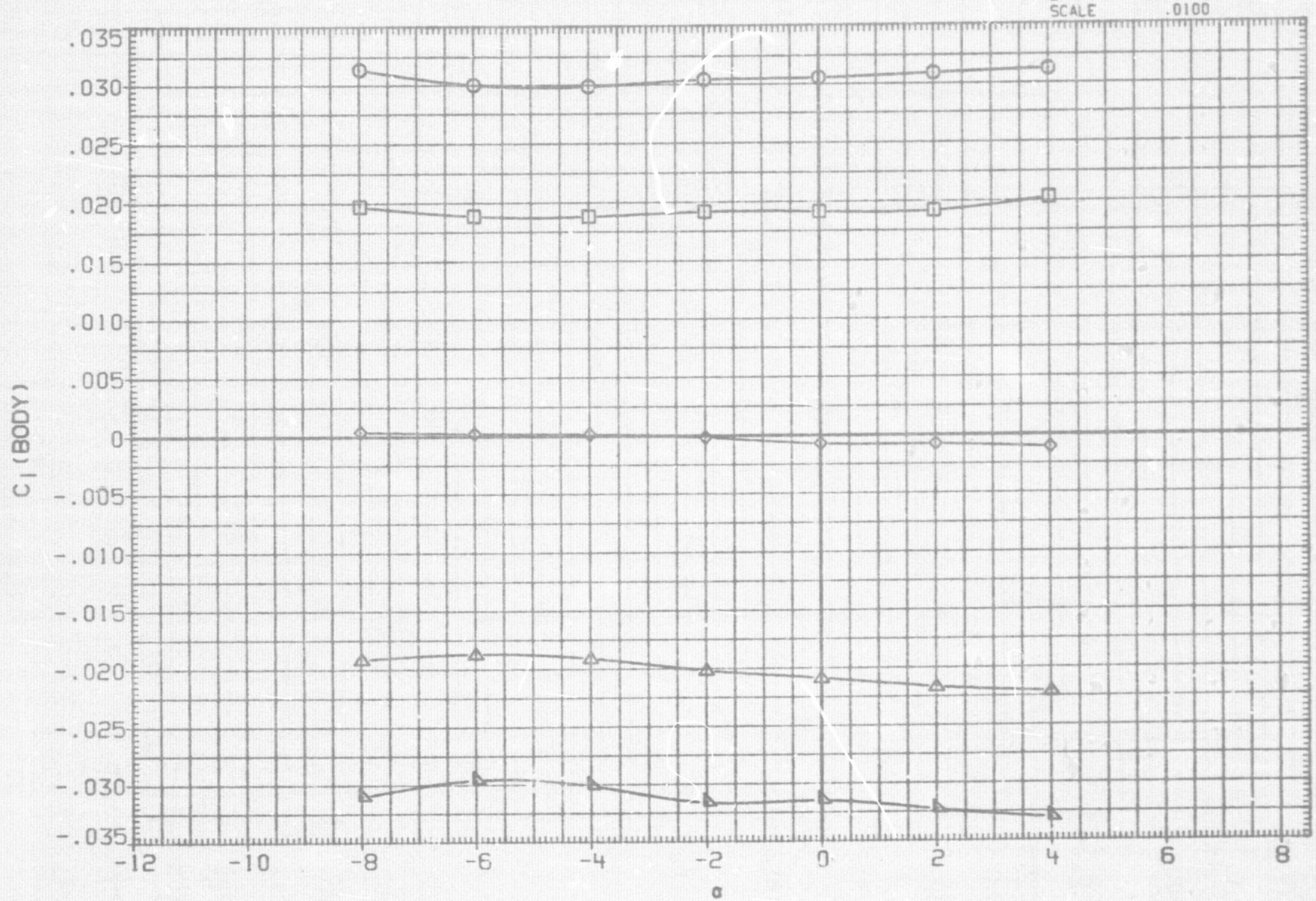


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA52	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000
MJWA53	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000
MJWA54	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-10.000	12.000	-10.000
MJWA55	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-10.000	12.000	-10.000
MJWA56	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

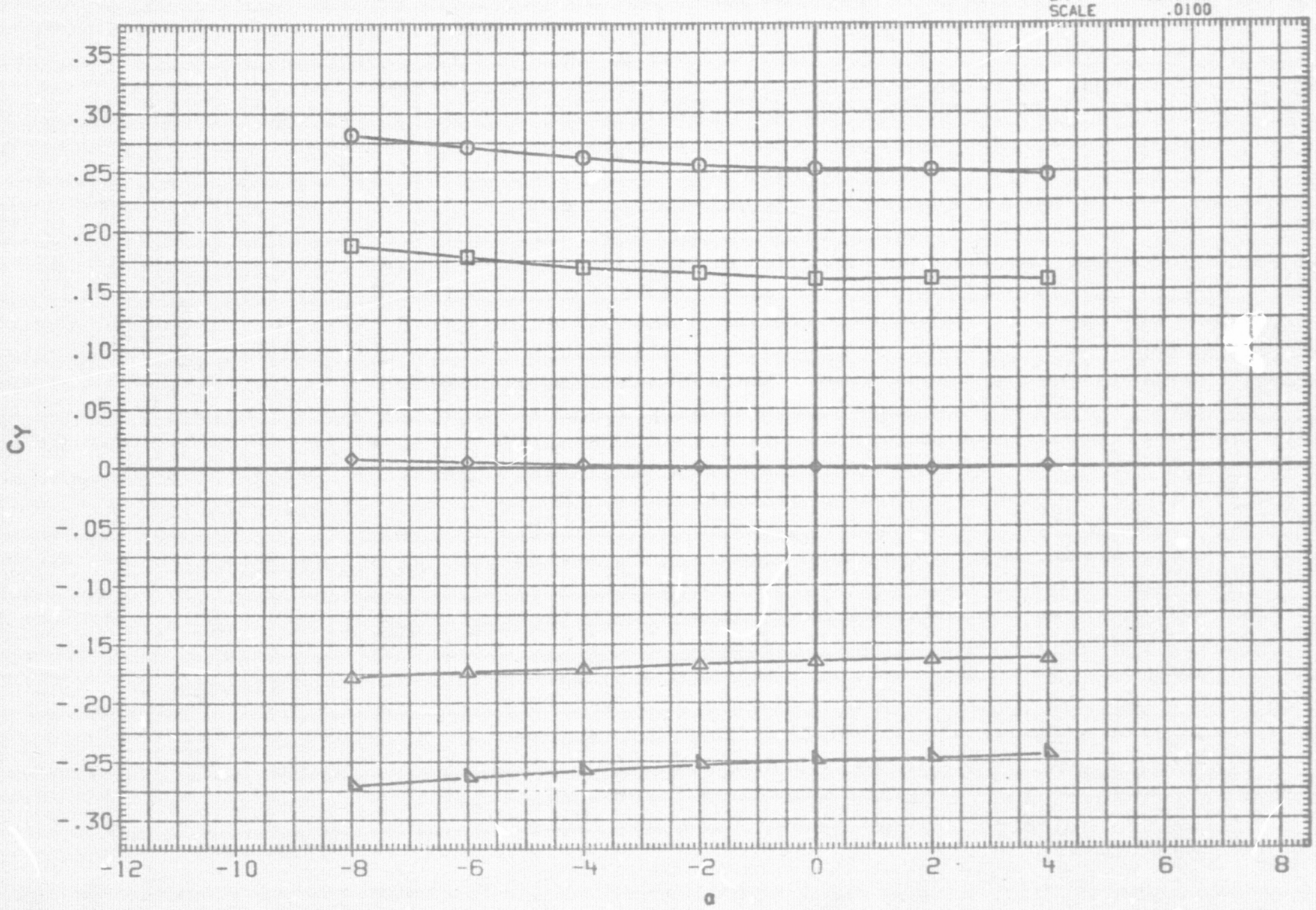


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA52	○	LARC UPWT 1177(1A948) OTSAT130
MJWA53	□	LARC UPWT 1177(1A948) OTSAT130
MJWA54	◇	LARC UPWT 1177(1A948) OTSAT130
MJWA55	△	LARC UPWT 1177(1A948) OTSAT130
MJWA56	▷	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
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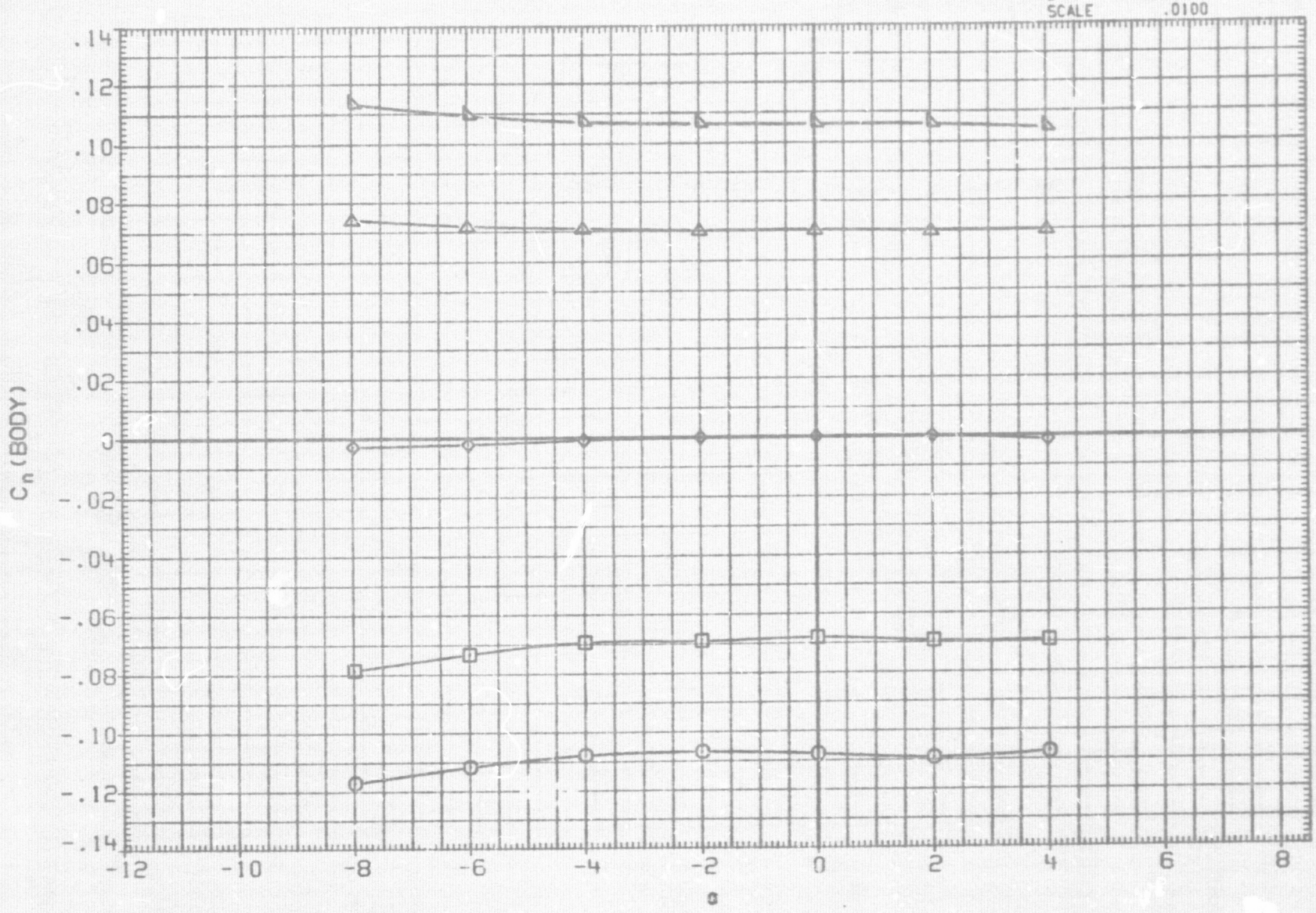


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA52	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000
MJWA53	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000
MJWA54	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	-10.000	12.000	-10.000
MJWA55	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	-10.000	12.000	-10.000
MJWA56		LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

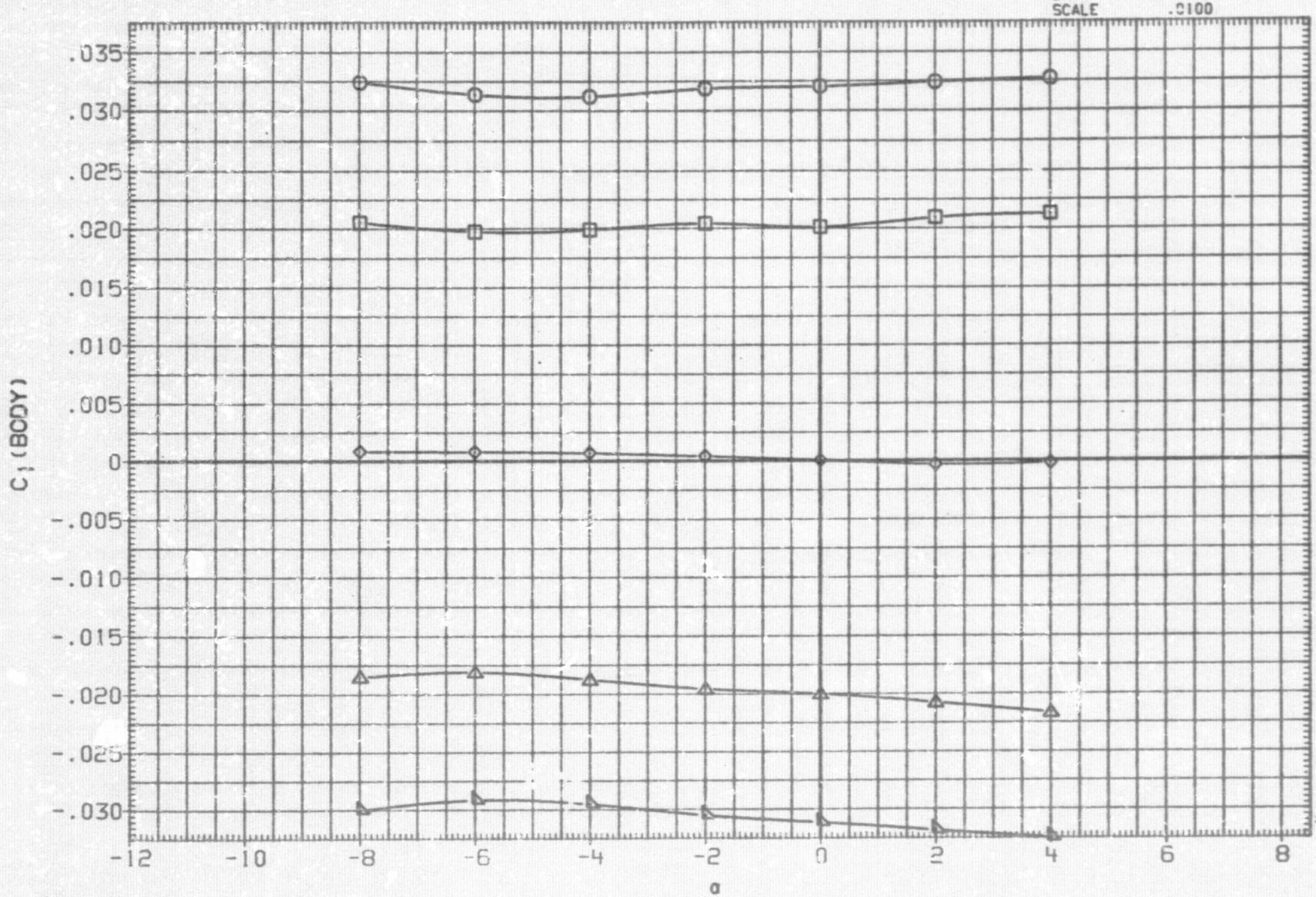


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMPP	400.0000	IN. ZT
SCALE	.0100	

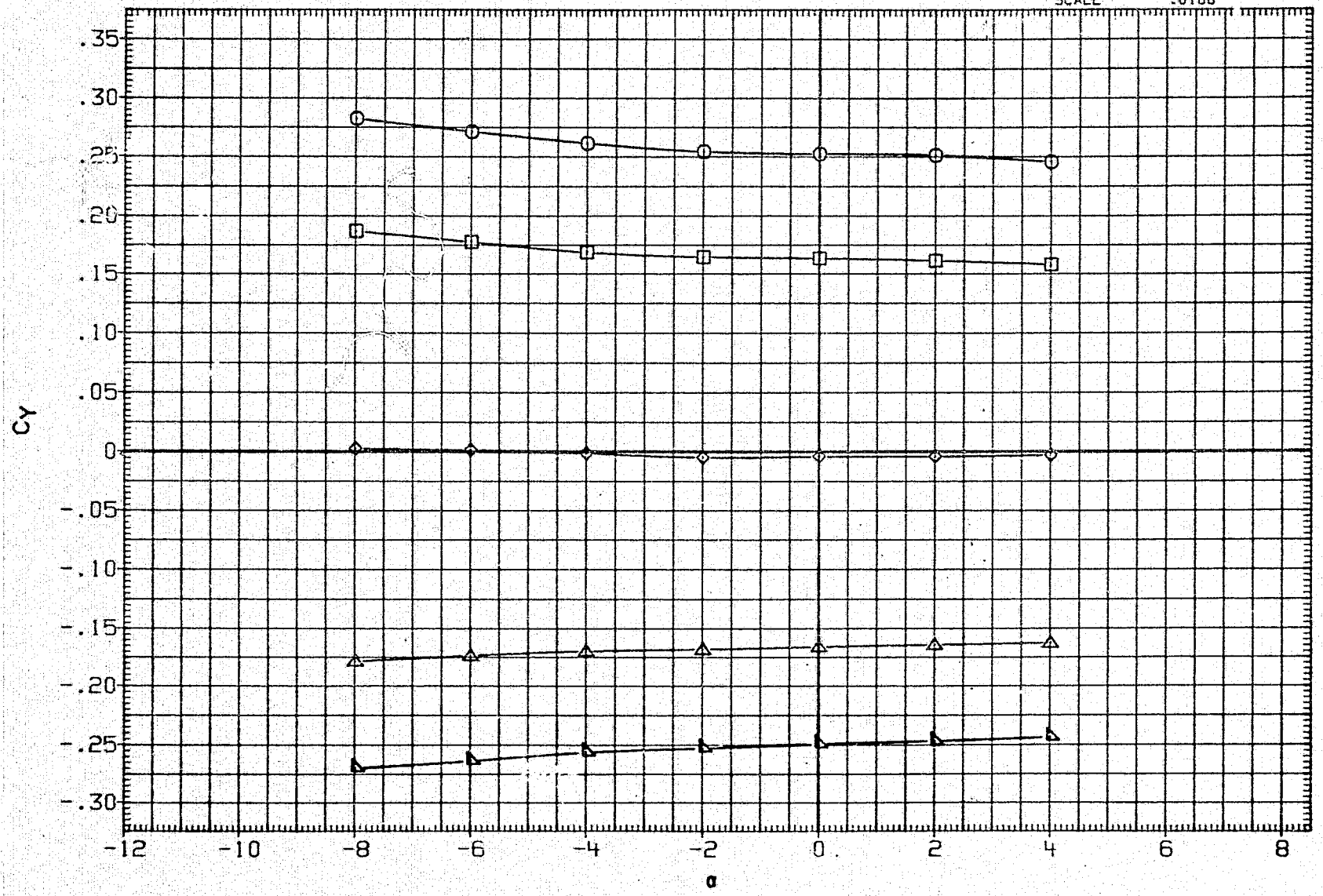


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

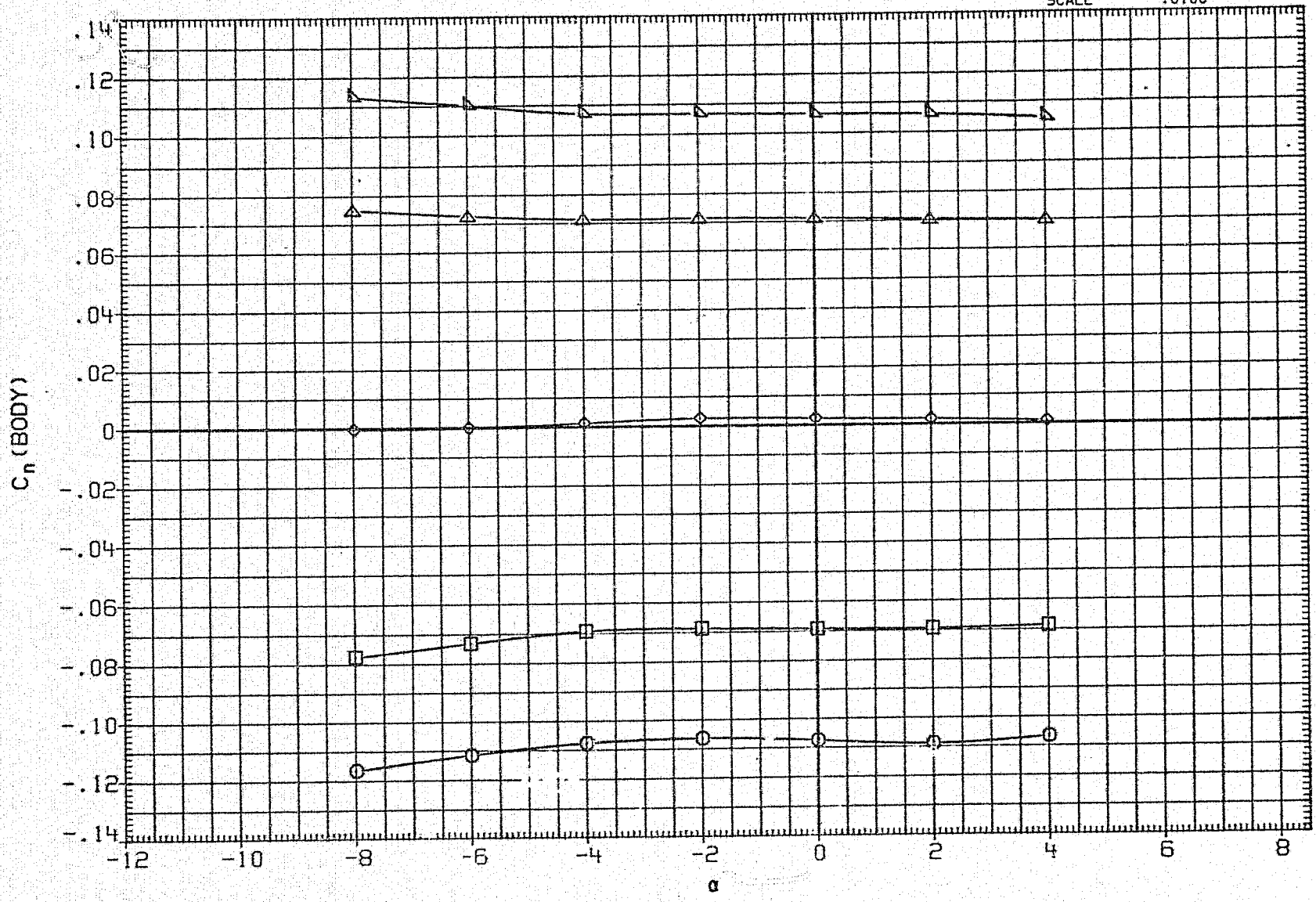


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA61	⊿	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

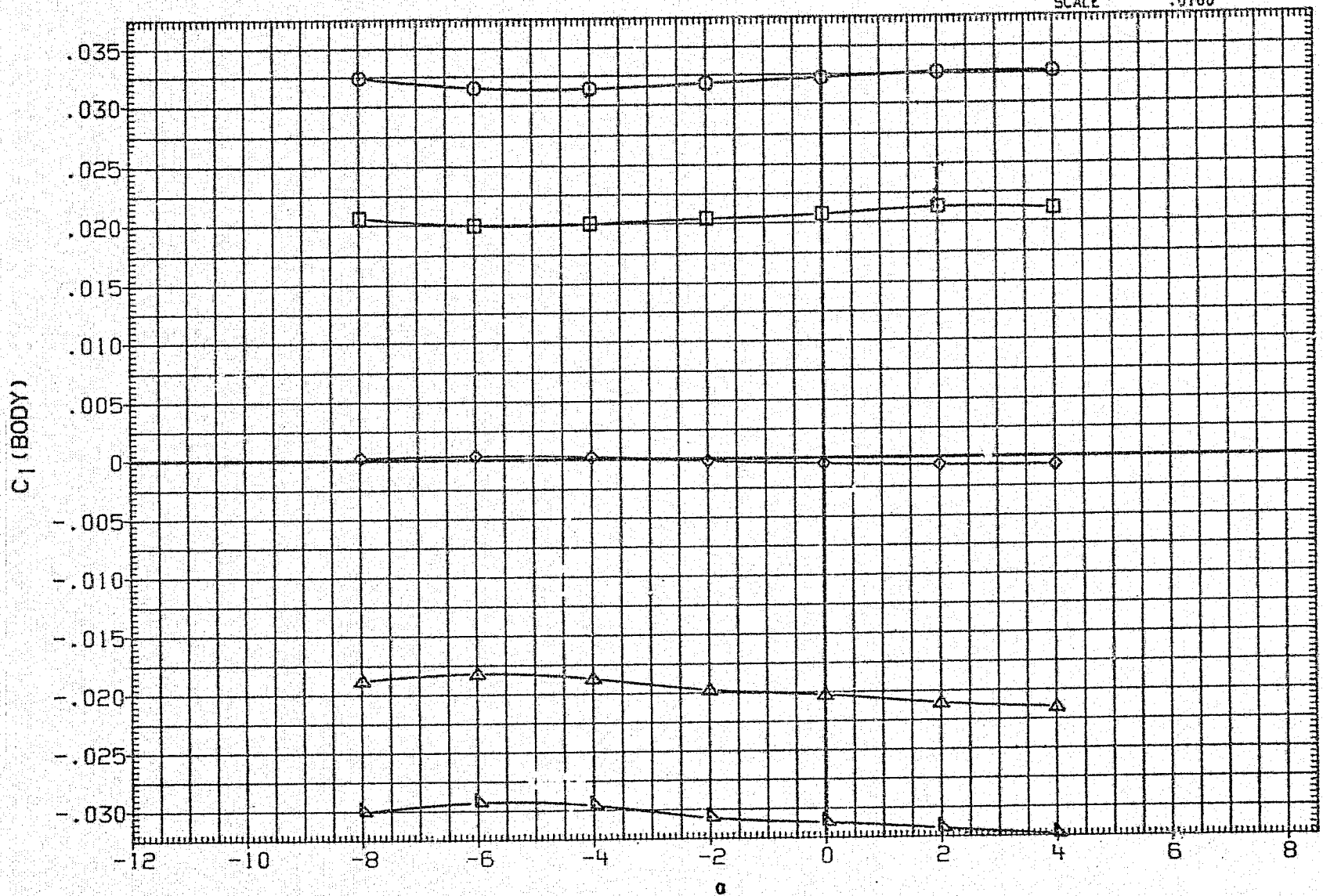


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(IA948) OTSAT130
MJWA58	□	LARC UPWT 1177(IA948) OTSAT130
MJWA59	◇	LARC UPWT 1177(IA948) OTSAT130
MJWA60	△	LARC UPWT 1177(IA948) OTSAT130
MJWA61	▽	LARC UPWT 1177(IA948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

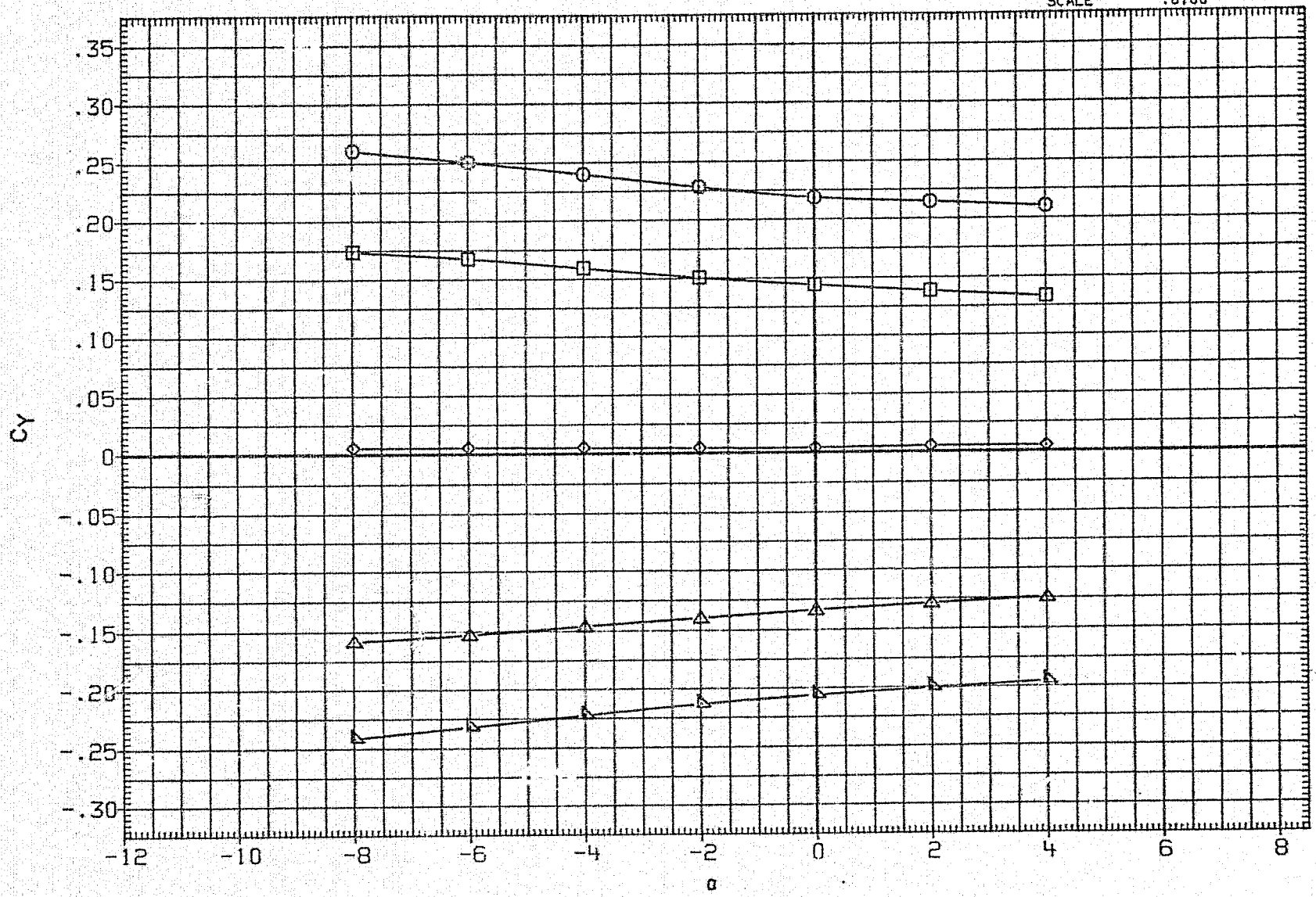


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA58	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA61	△	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

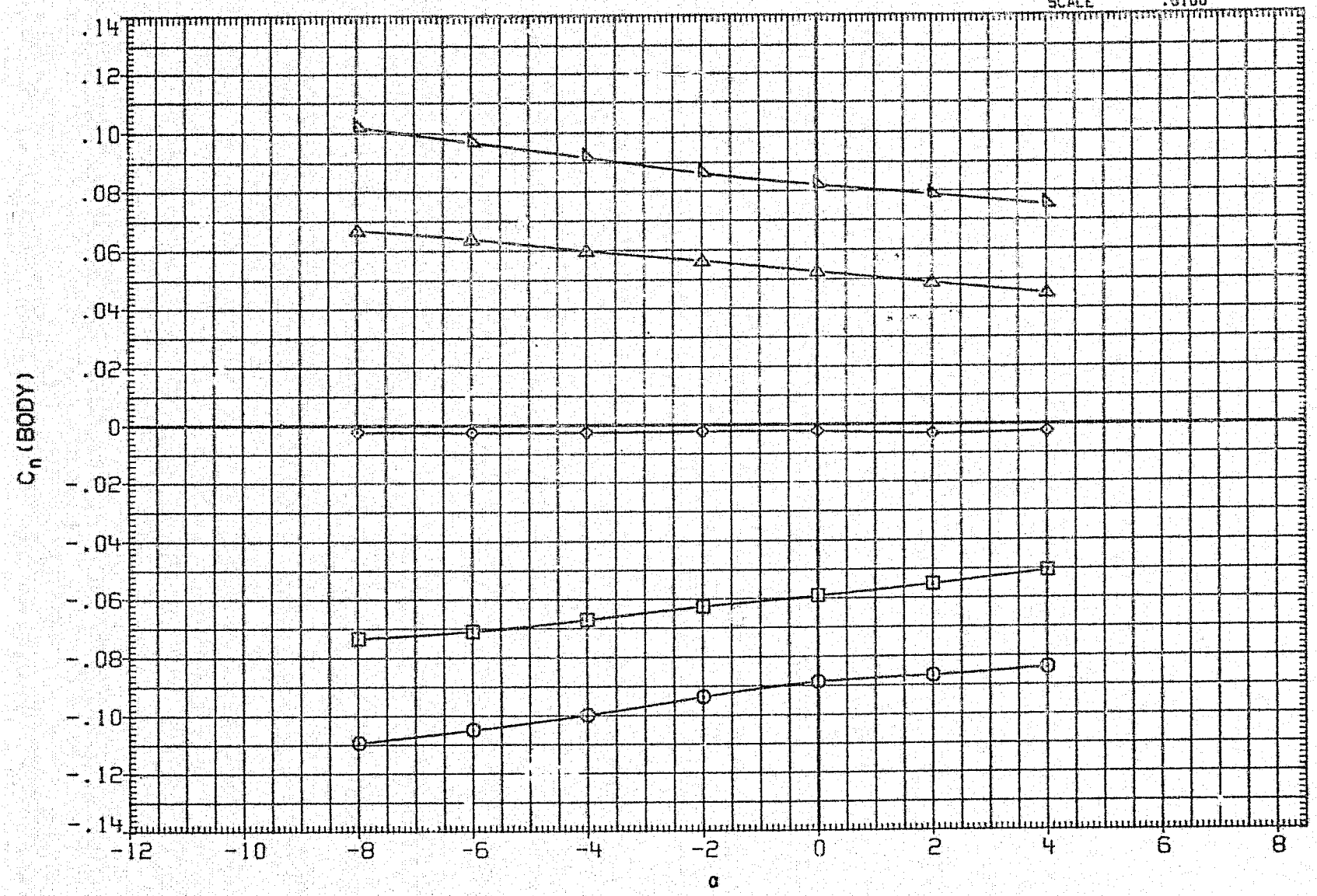


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA61	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

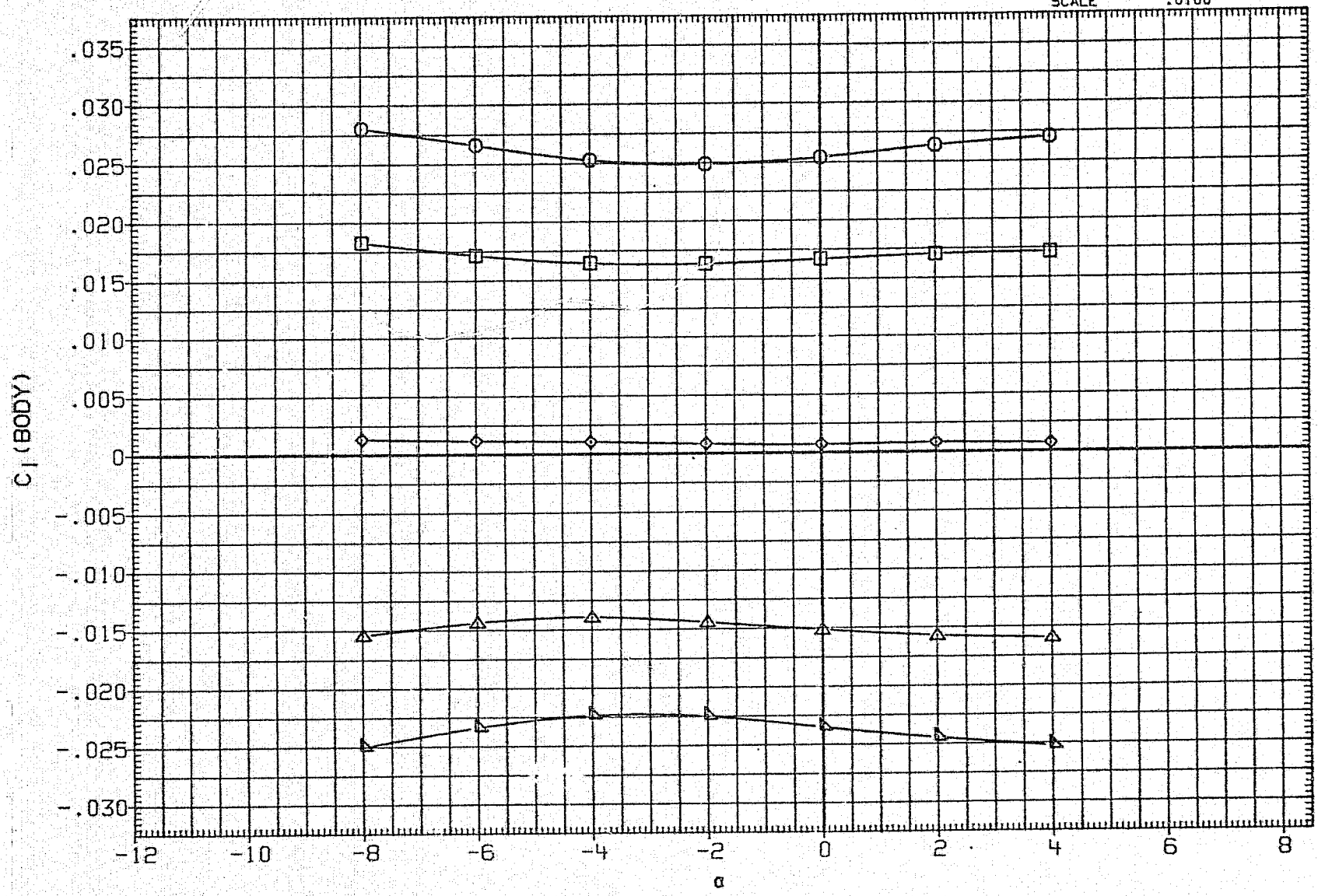


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA61	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

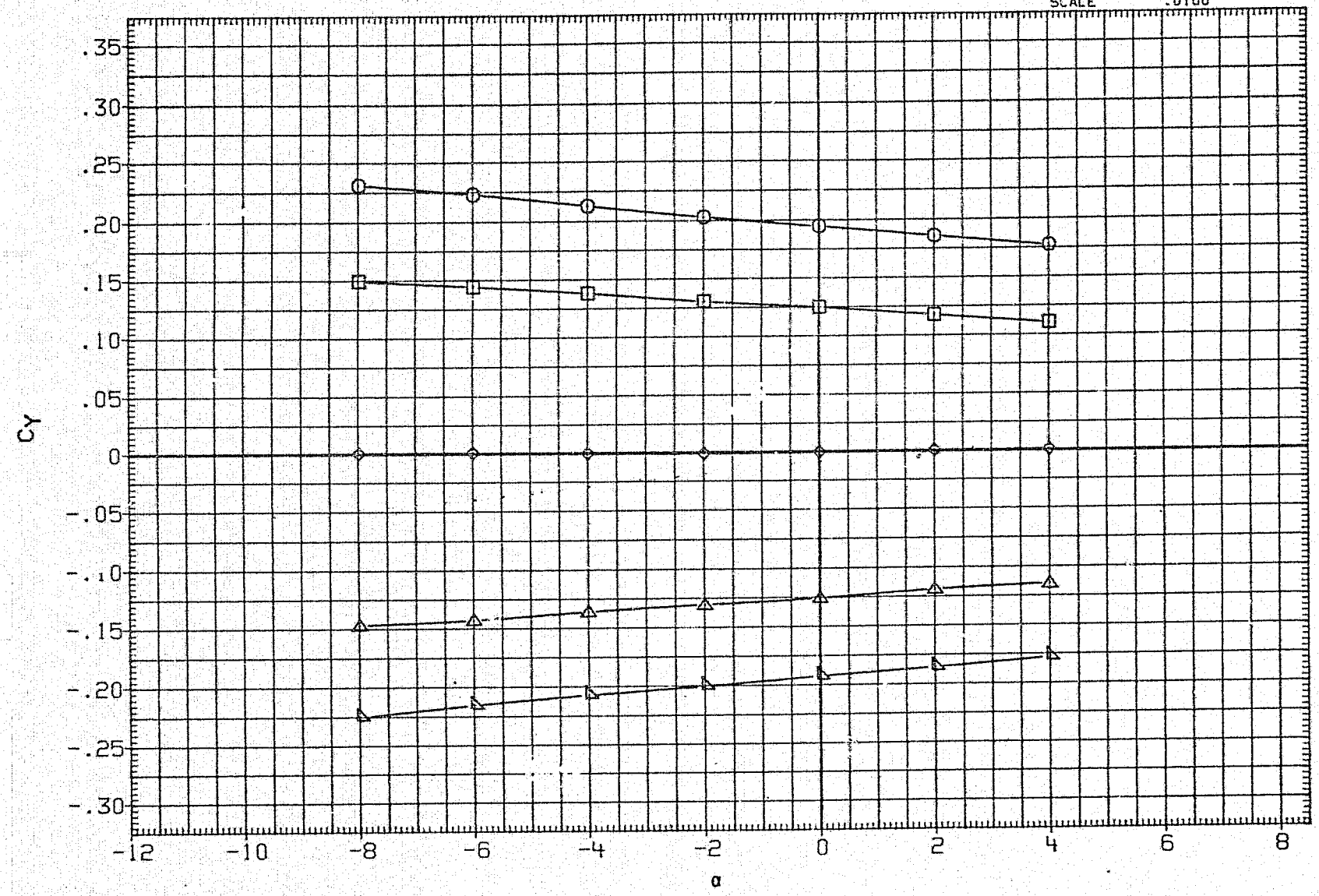


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

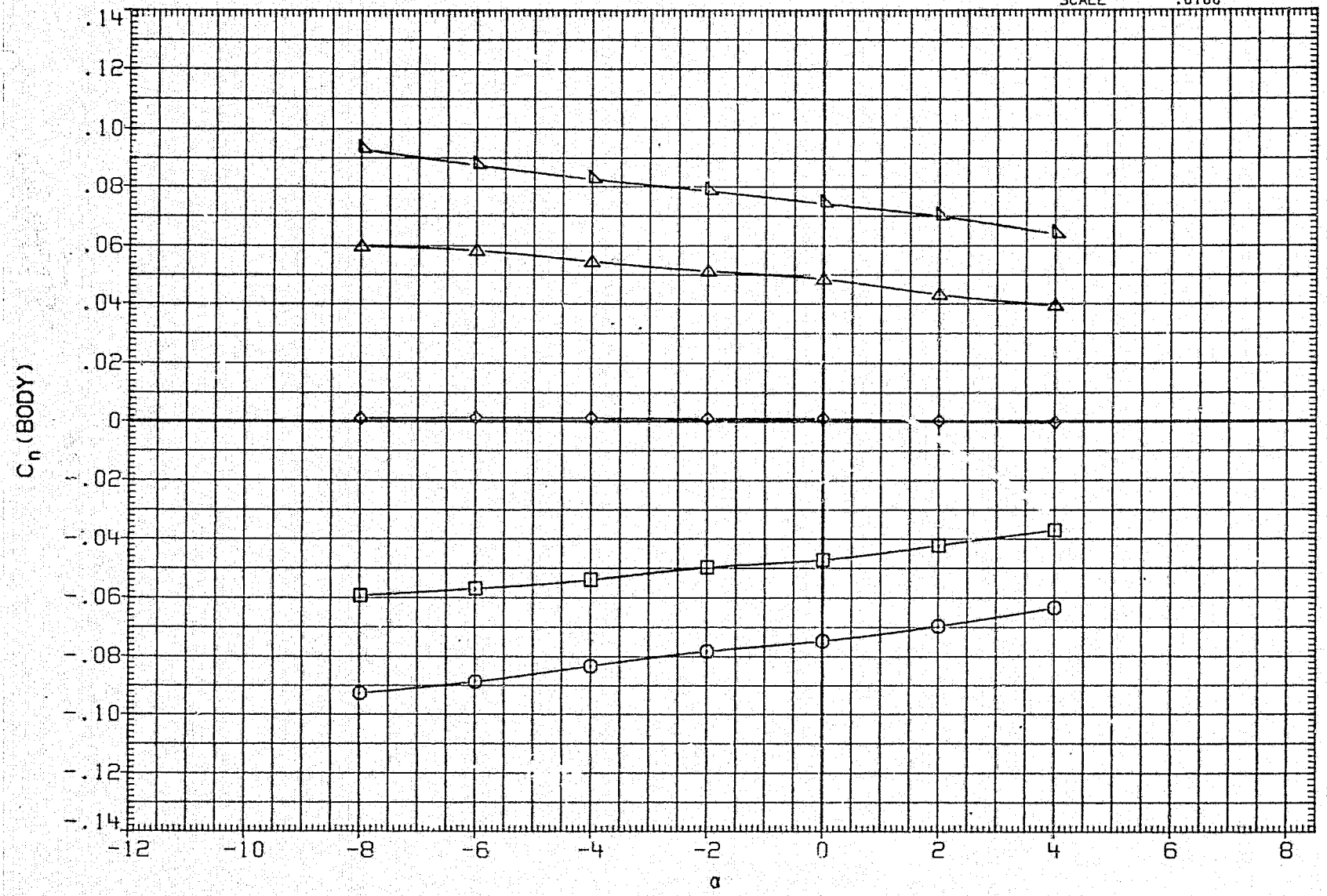


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA61	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	100.0000	IN. ZT
SCALE	.0100	

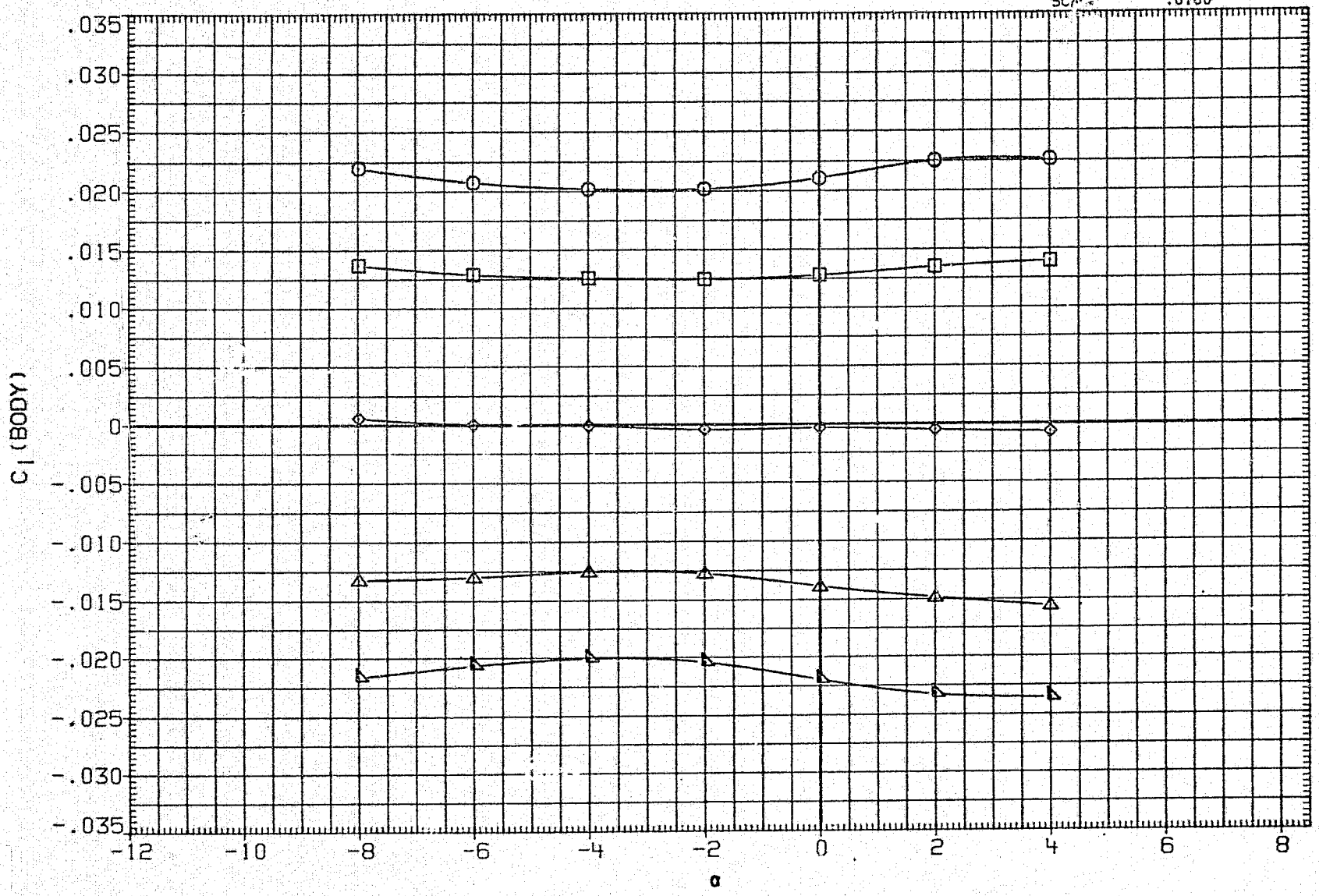


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(C) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

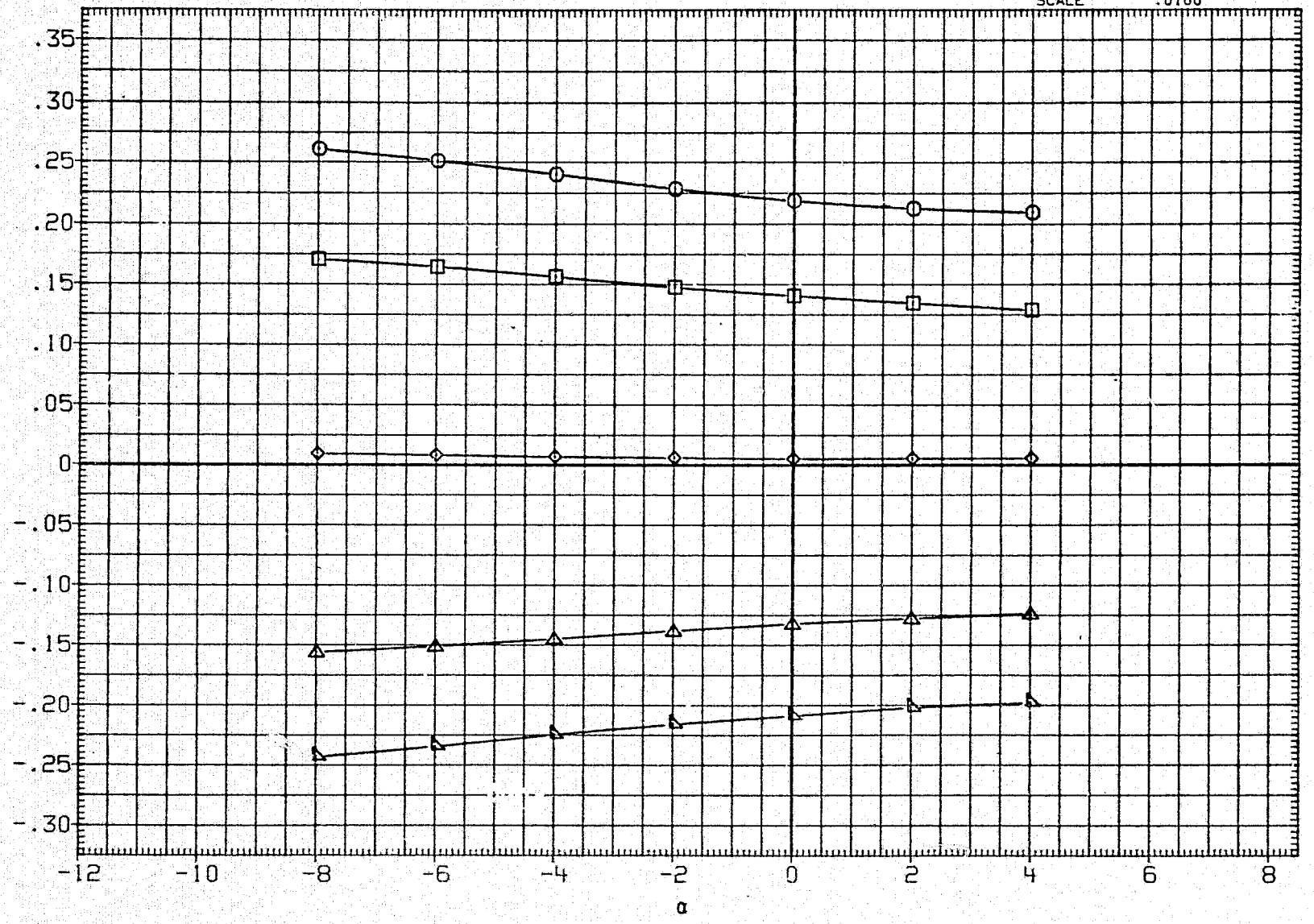


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA66	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

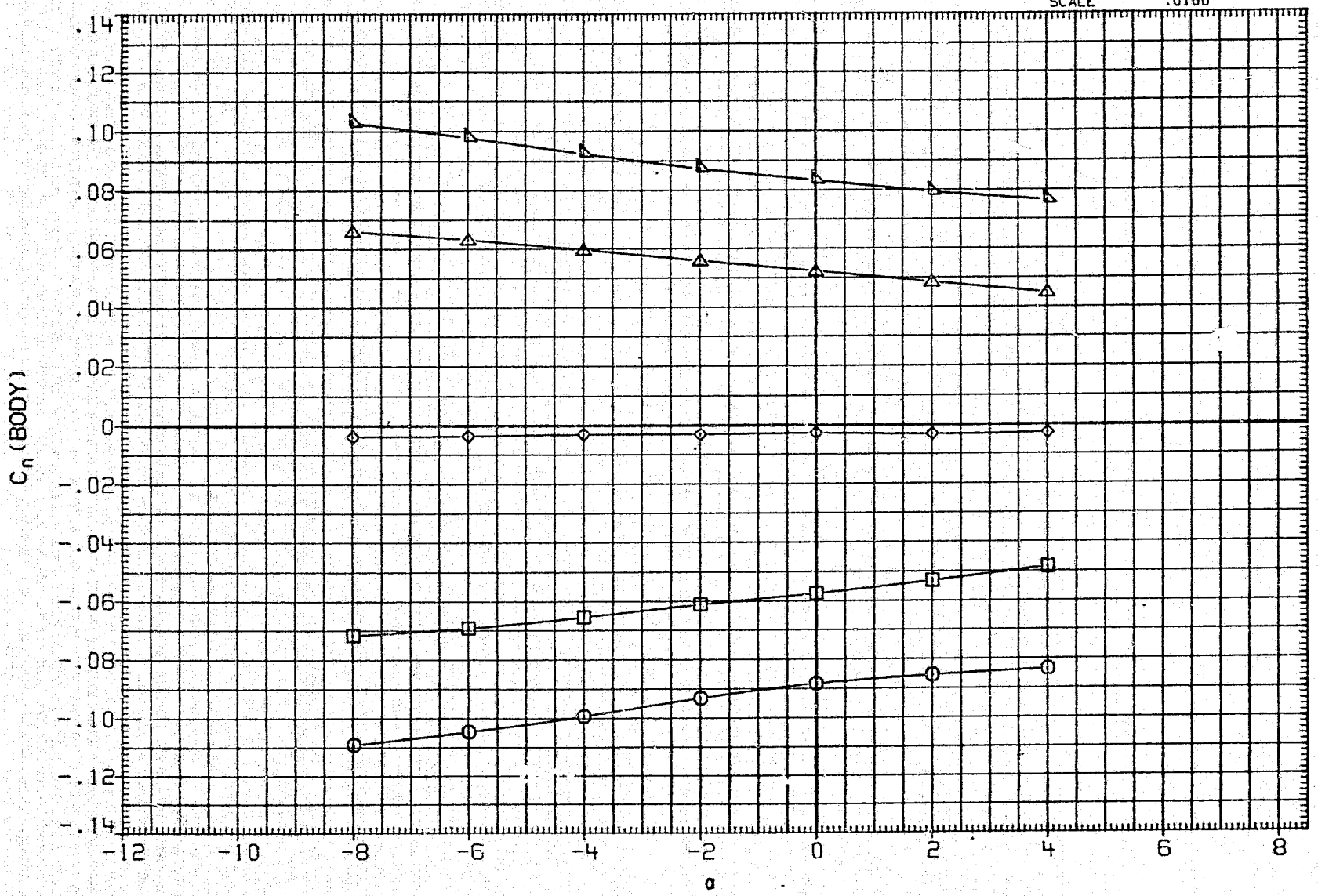


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

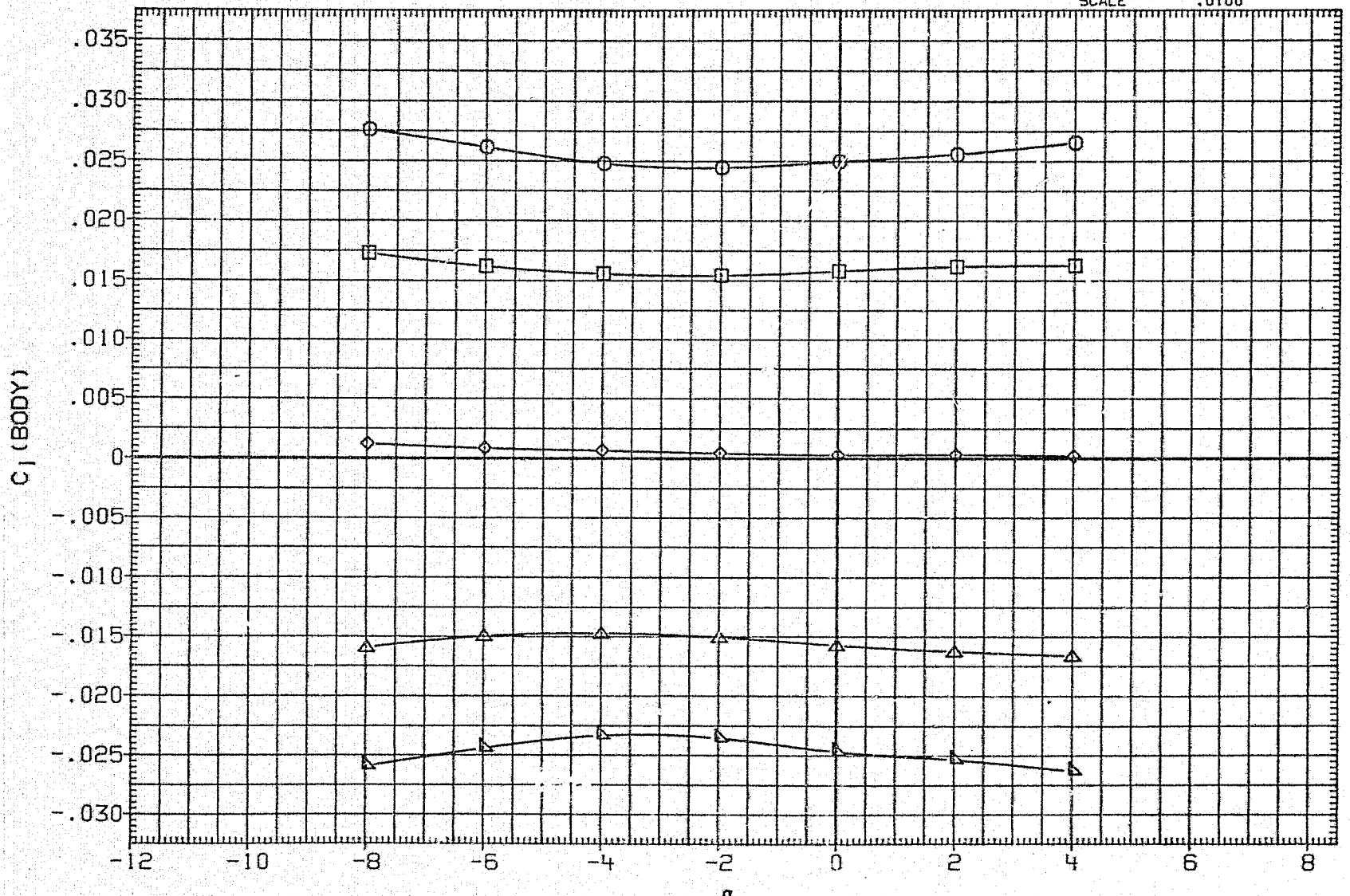


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3600	INCHES
BREF	1290.3600	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

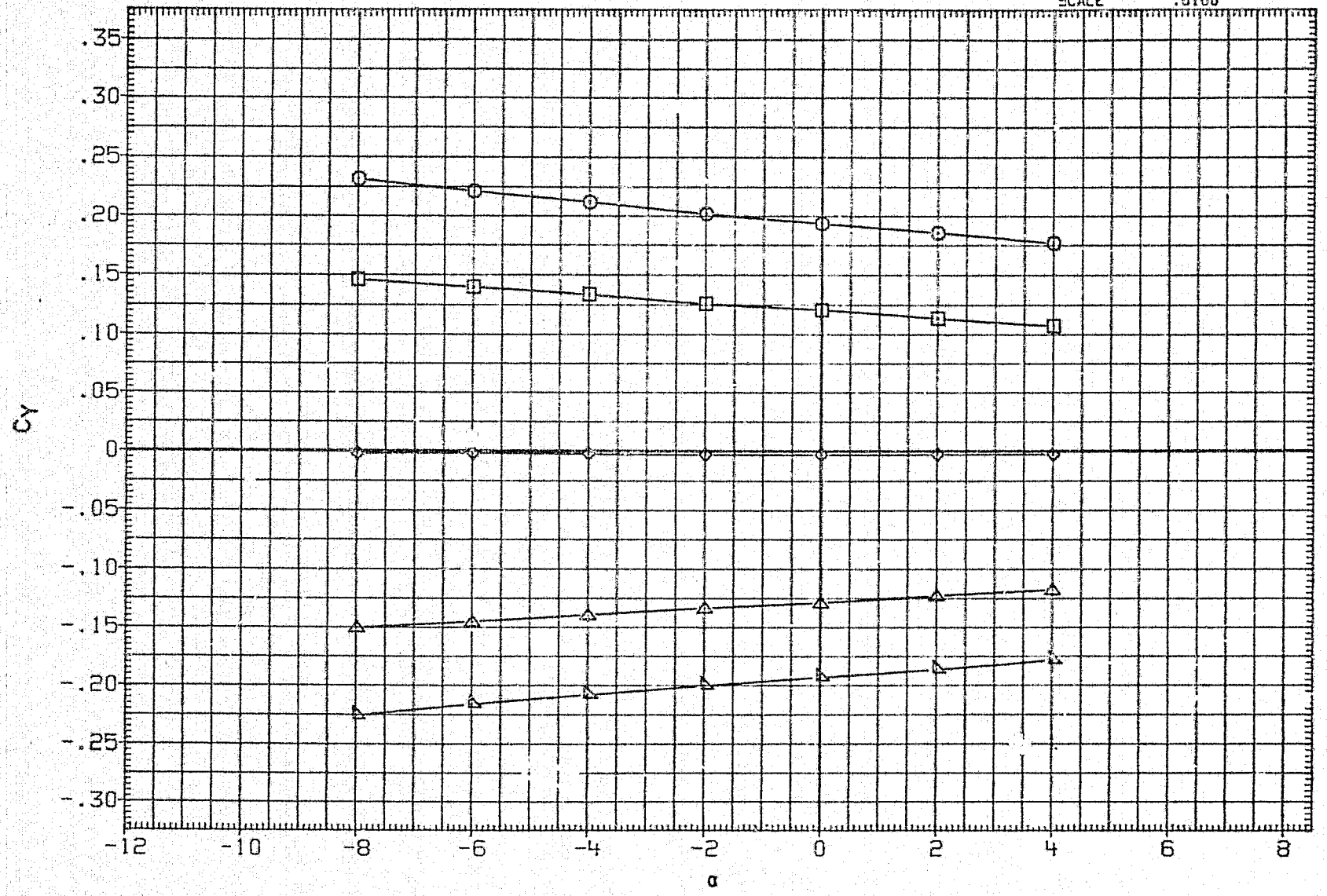


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

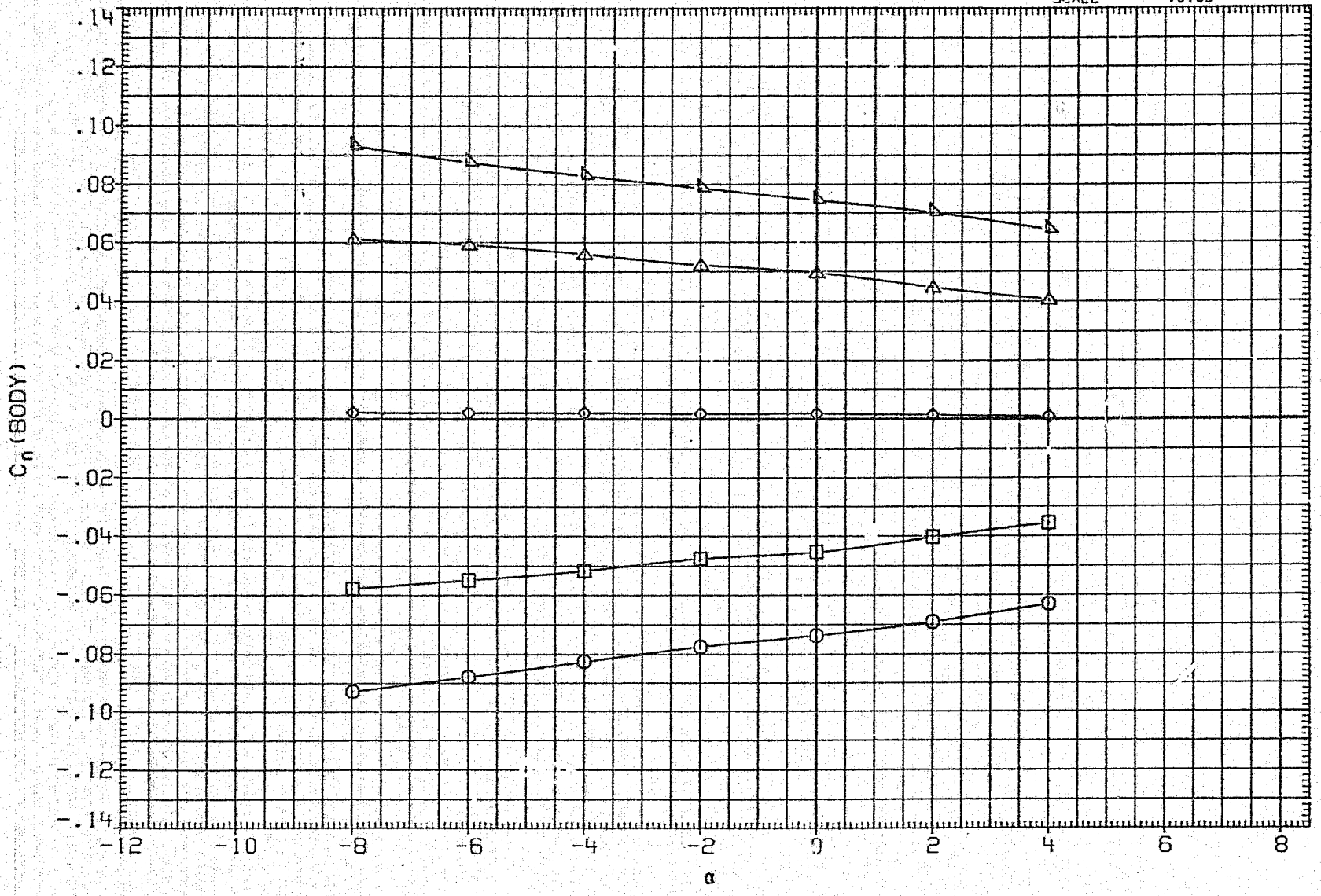


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA66	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

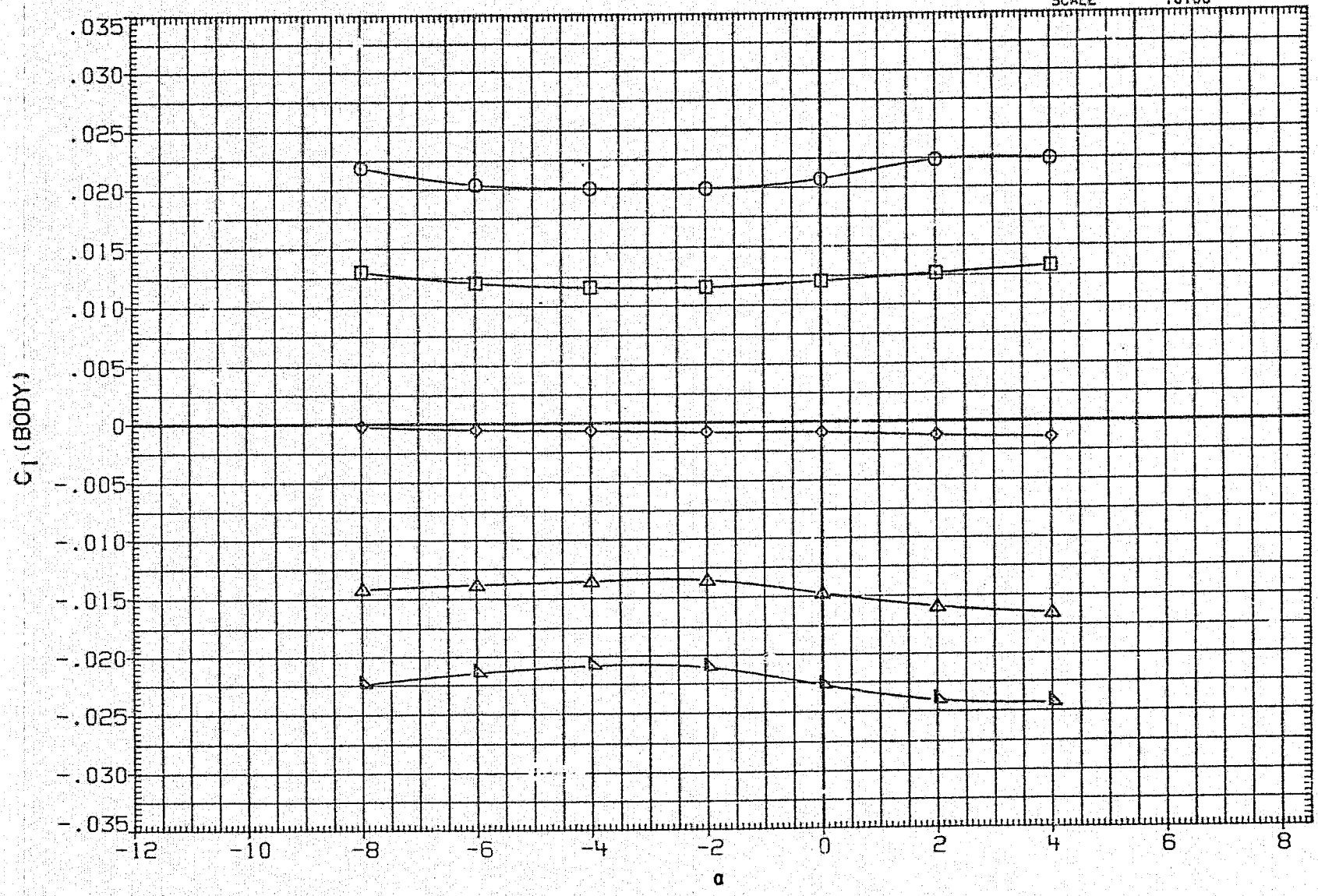


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	◺	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

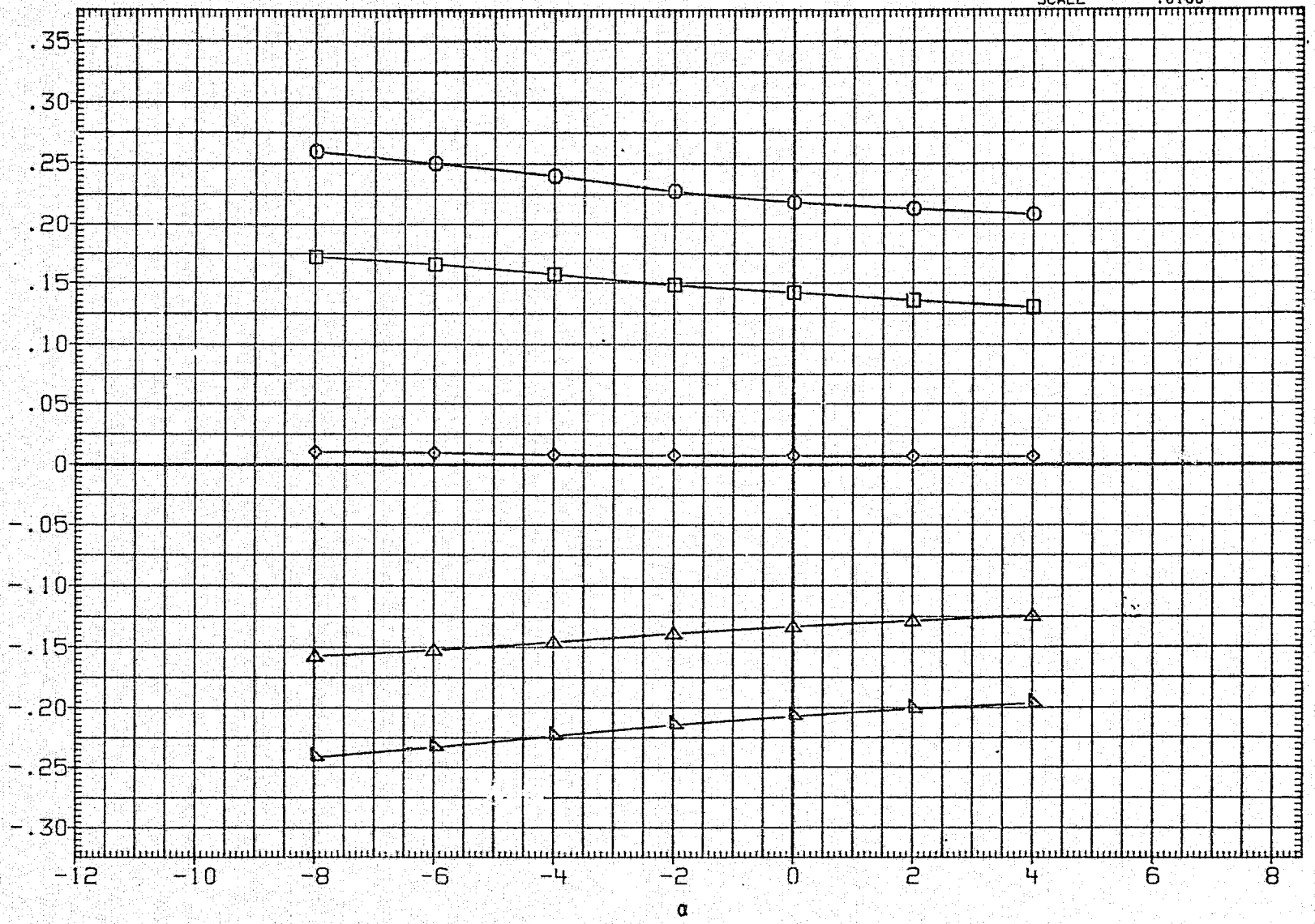


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

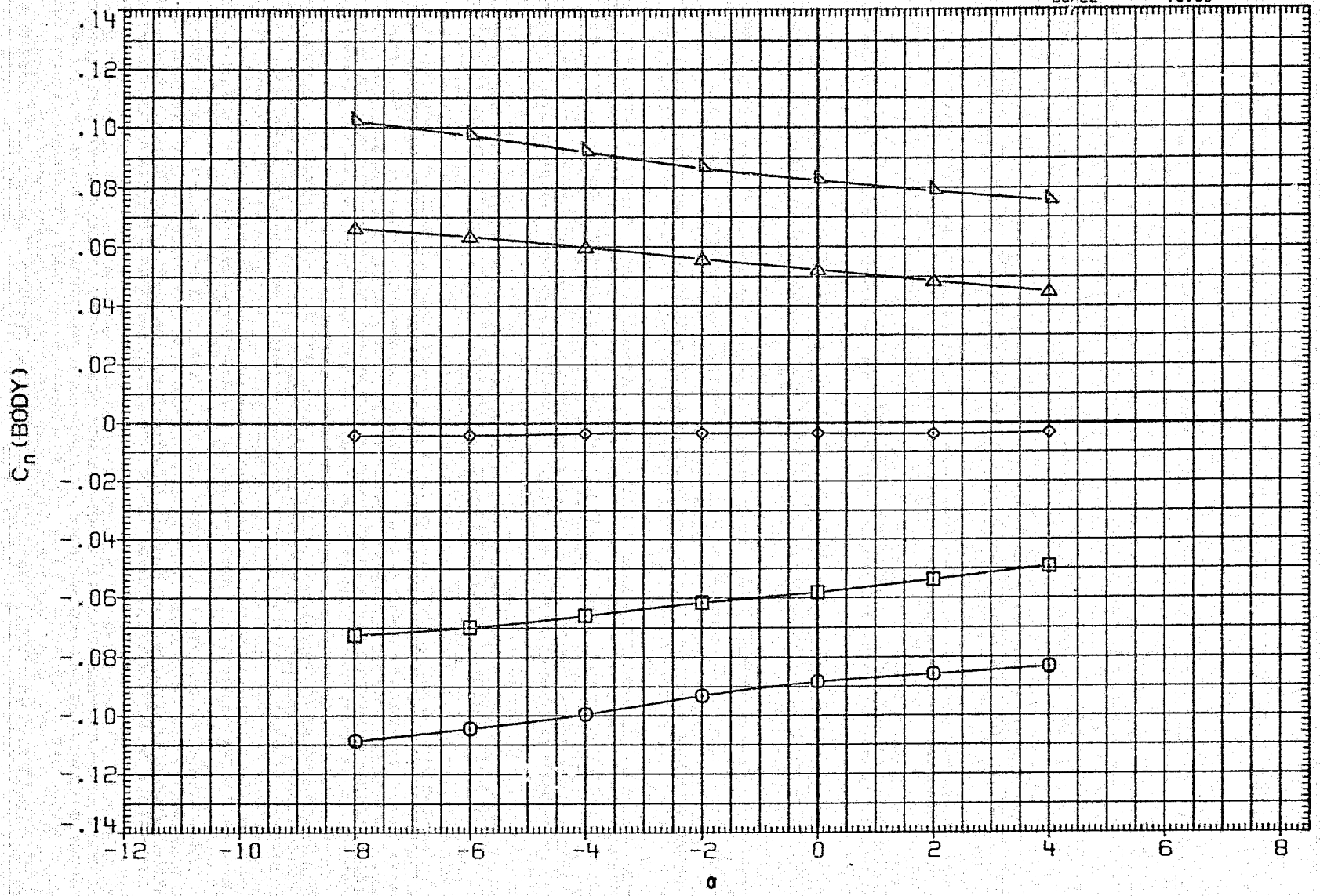


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

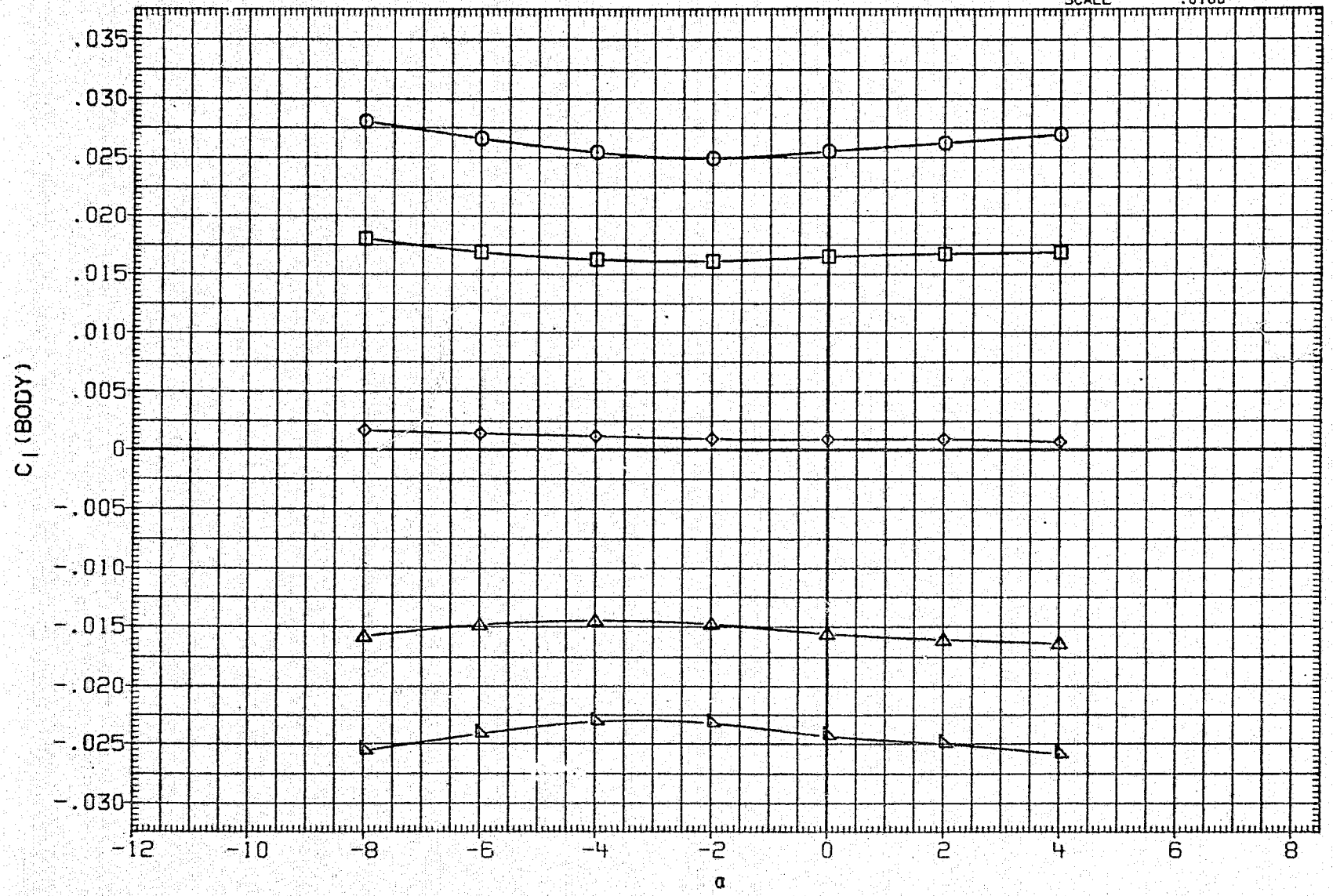


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA71	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

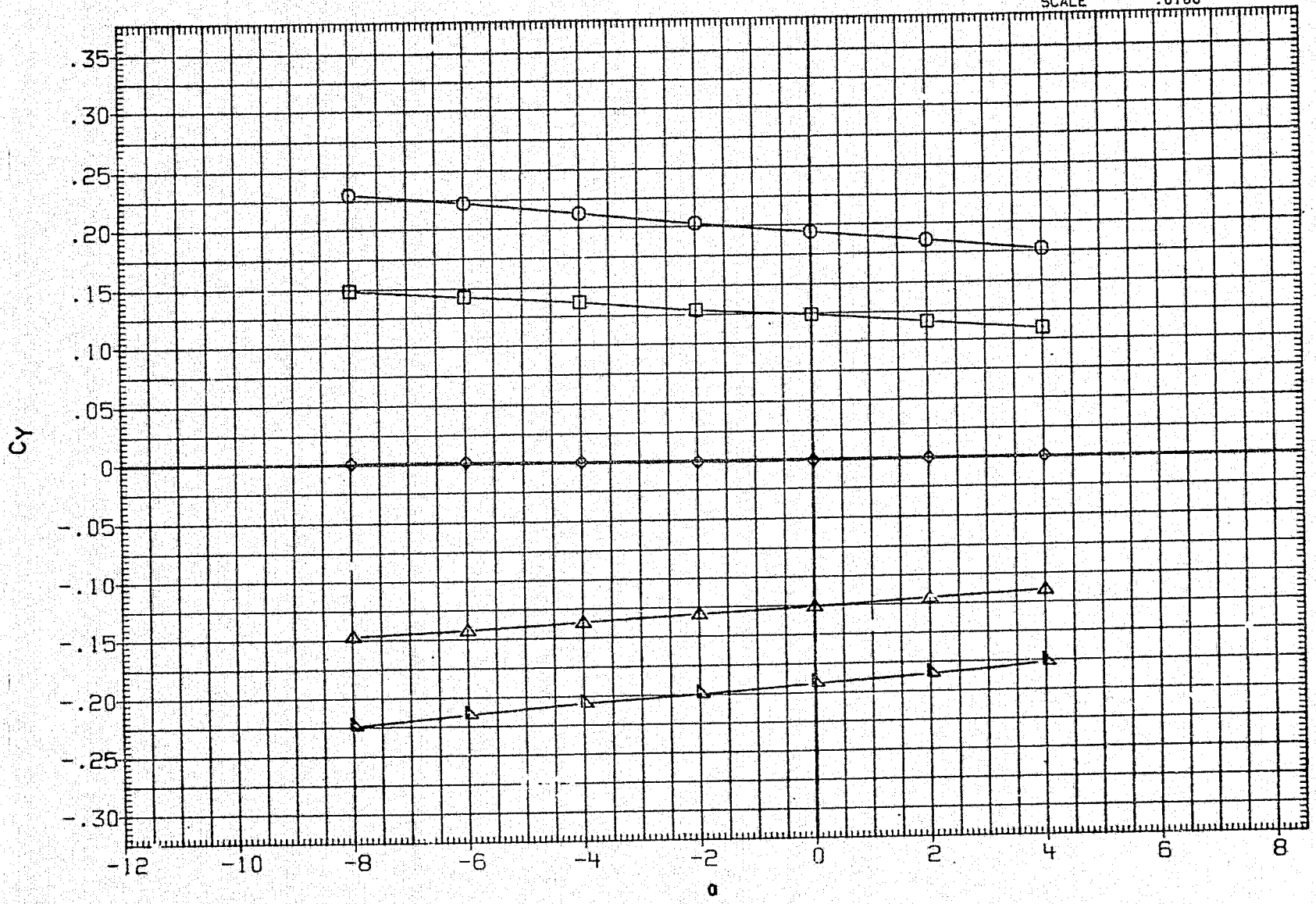


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	◿	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

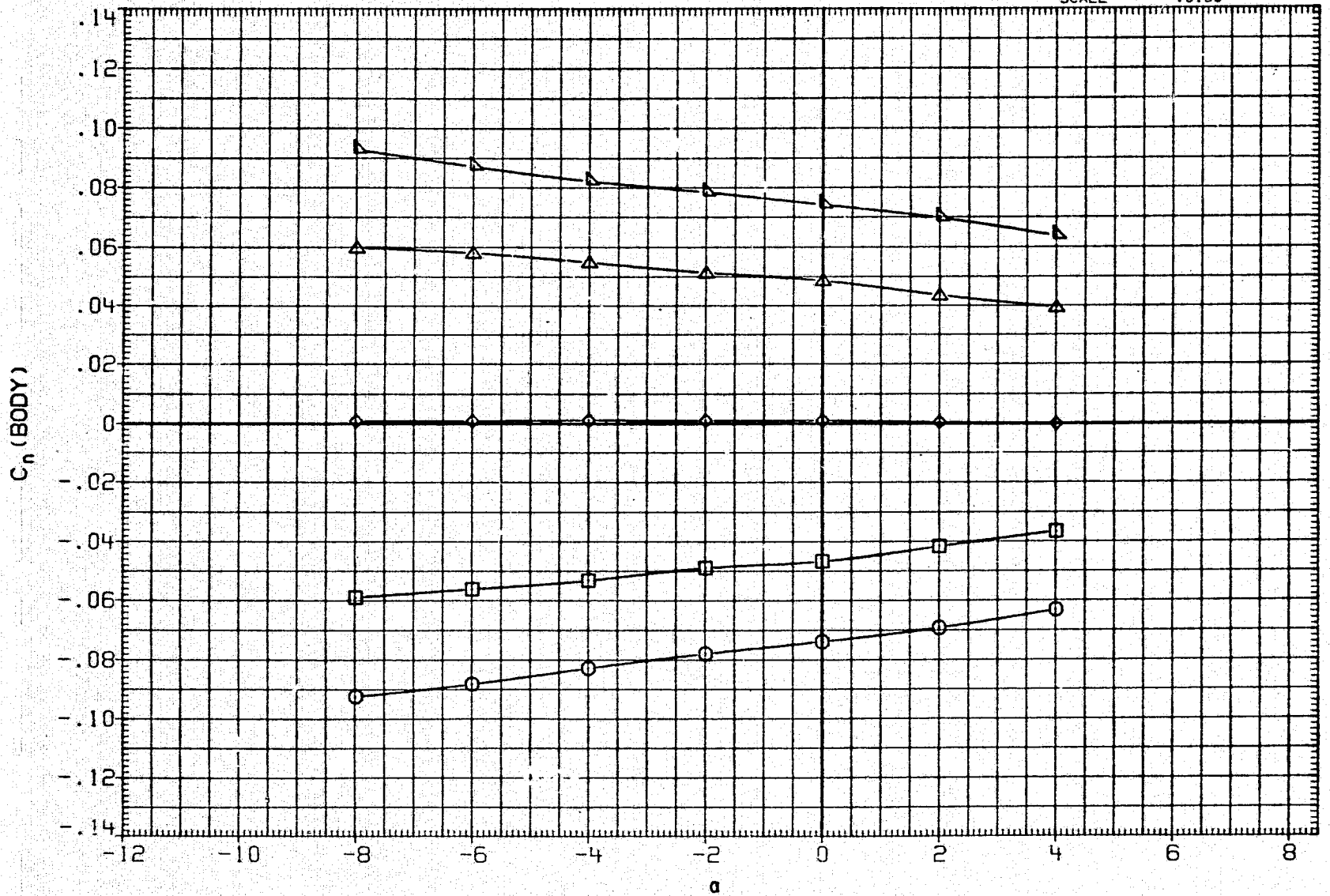


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	◺	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

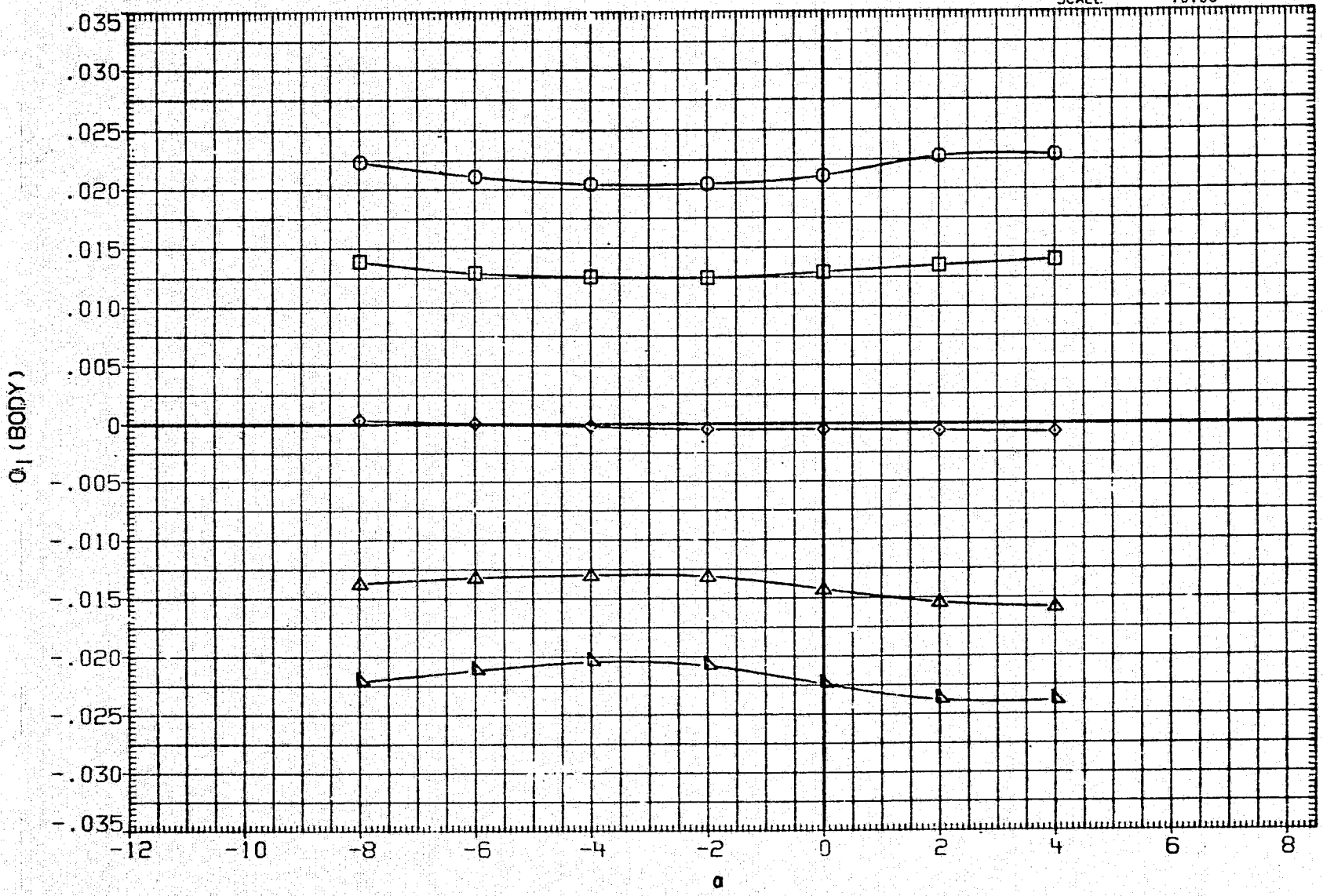


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(B) MAC_r = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA76	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

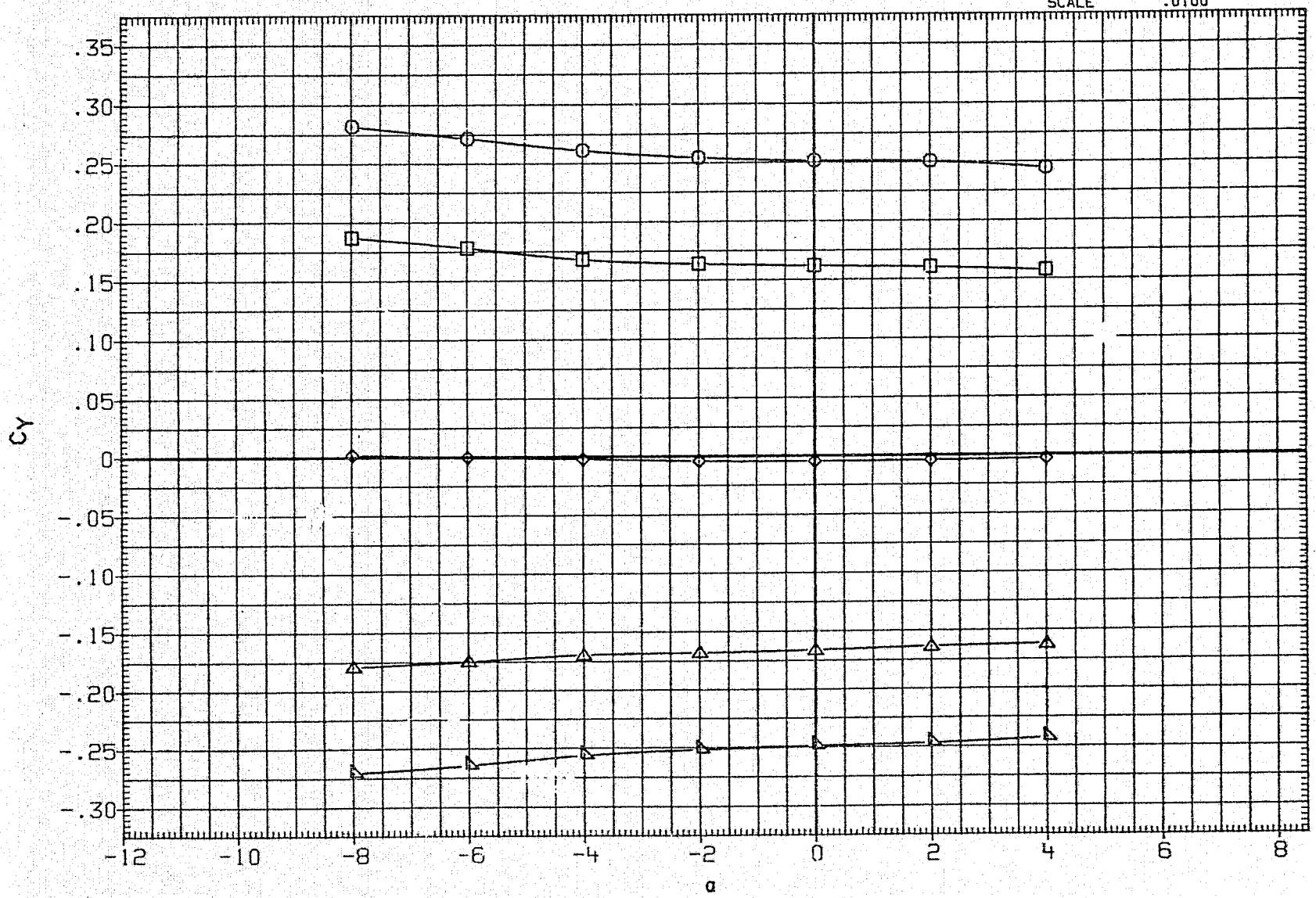


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA76	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION

SREF	2590.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

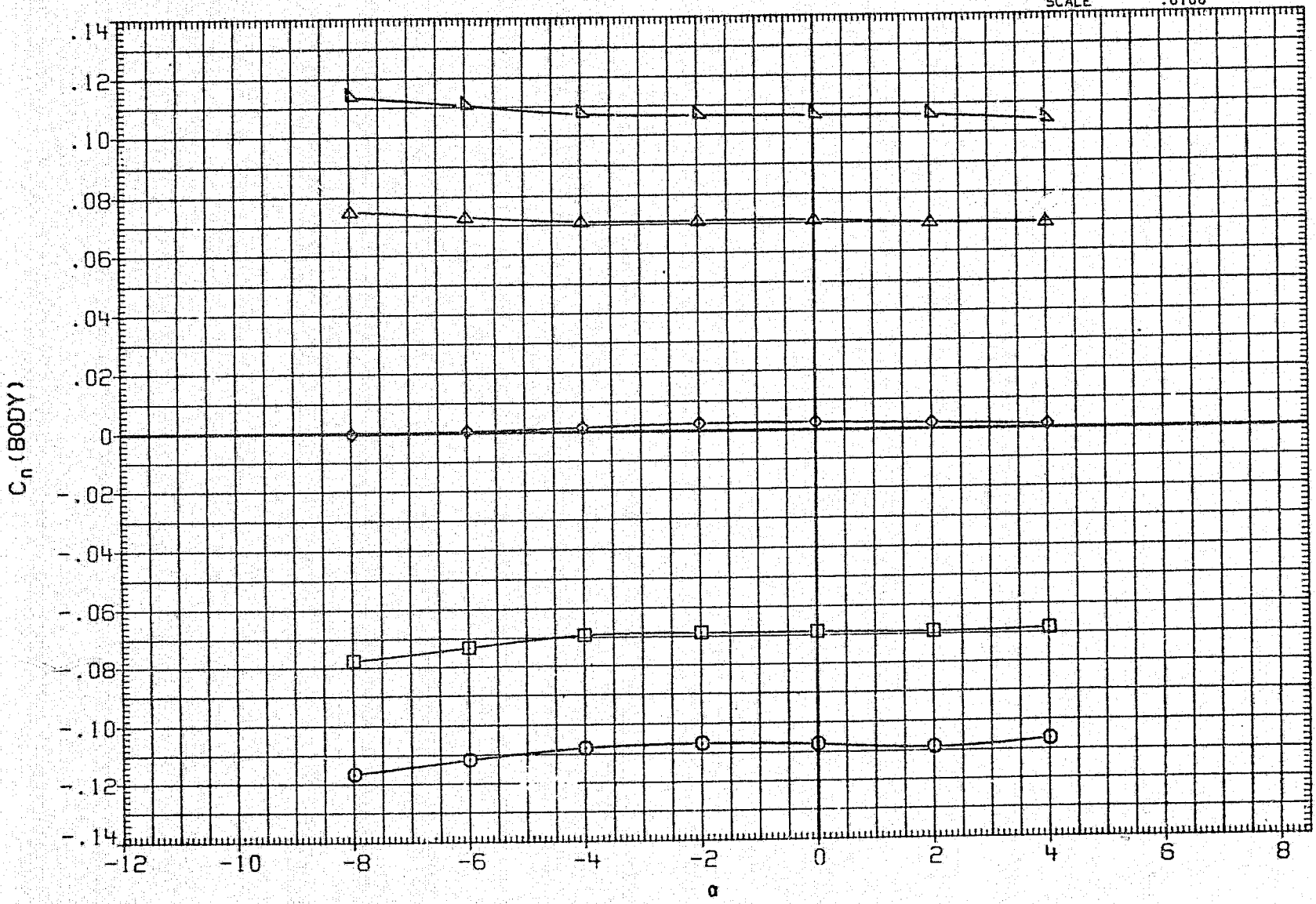


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA72	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA73	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA74	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA75	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA76	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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ZMRP	400.0000	IN. ZT
SCALE	.0100	

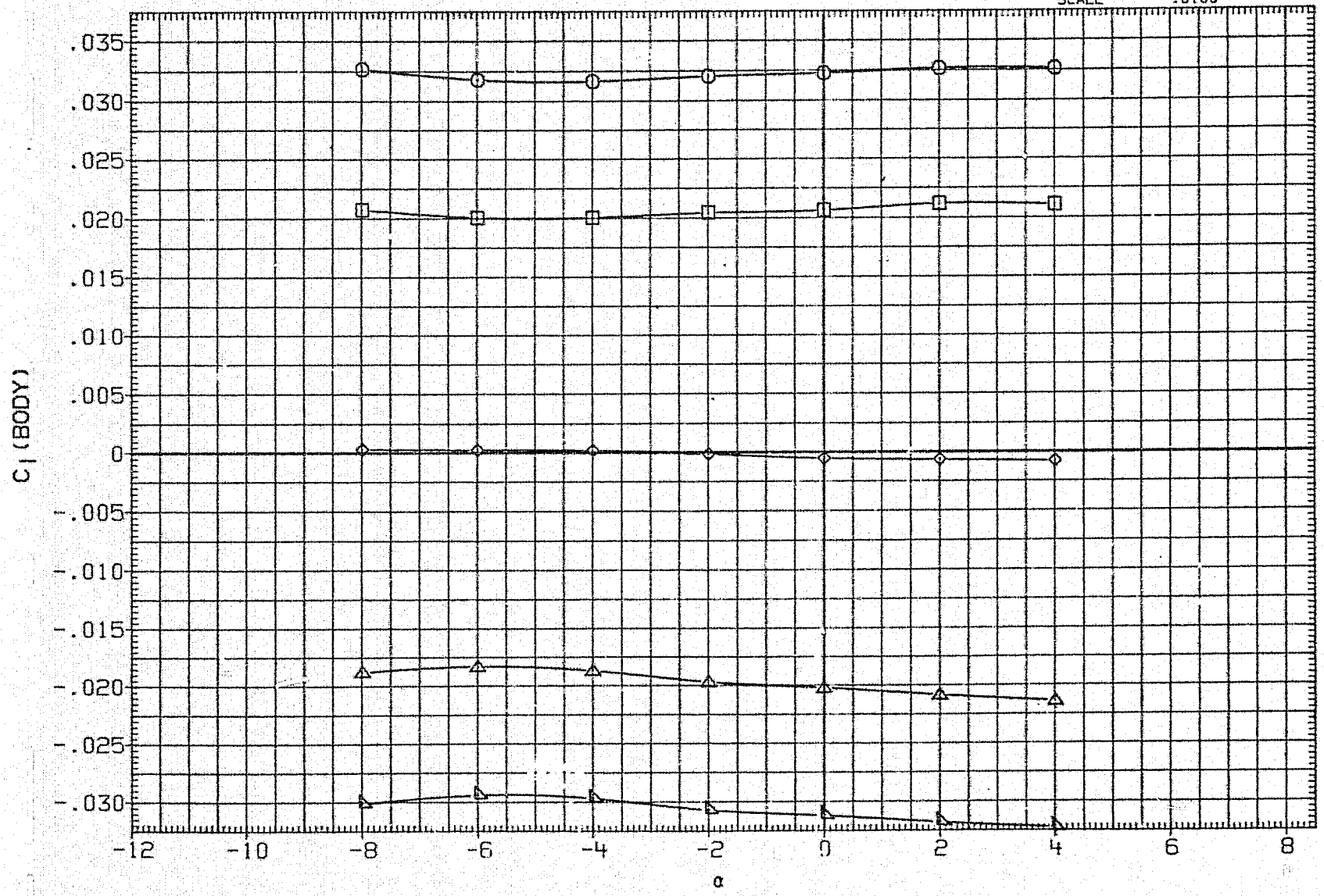


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA01	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA02	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA03	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA04	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA05	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

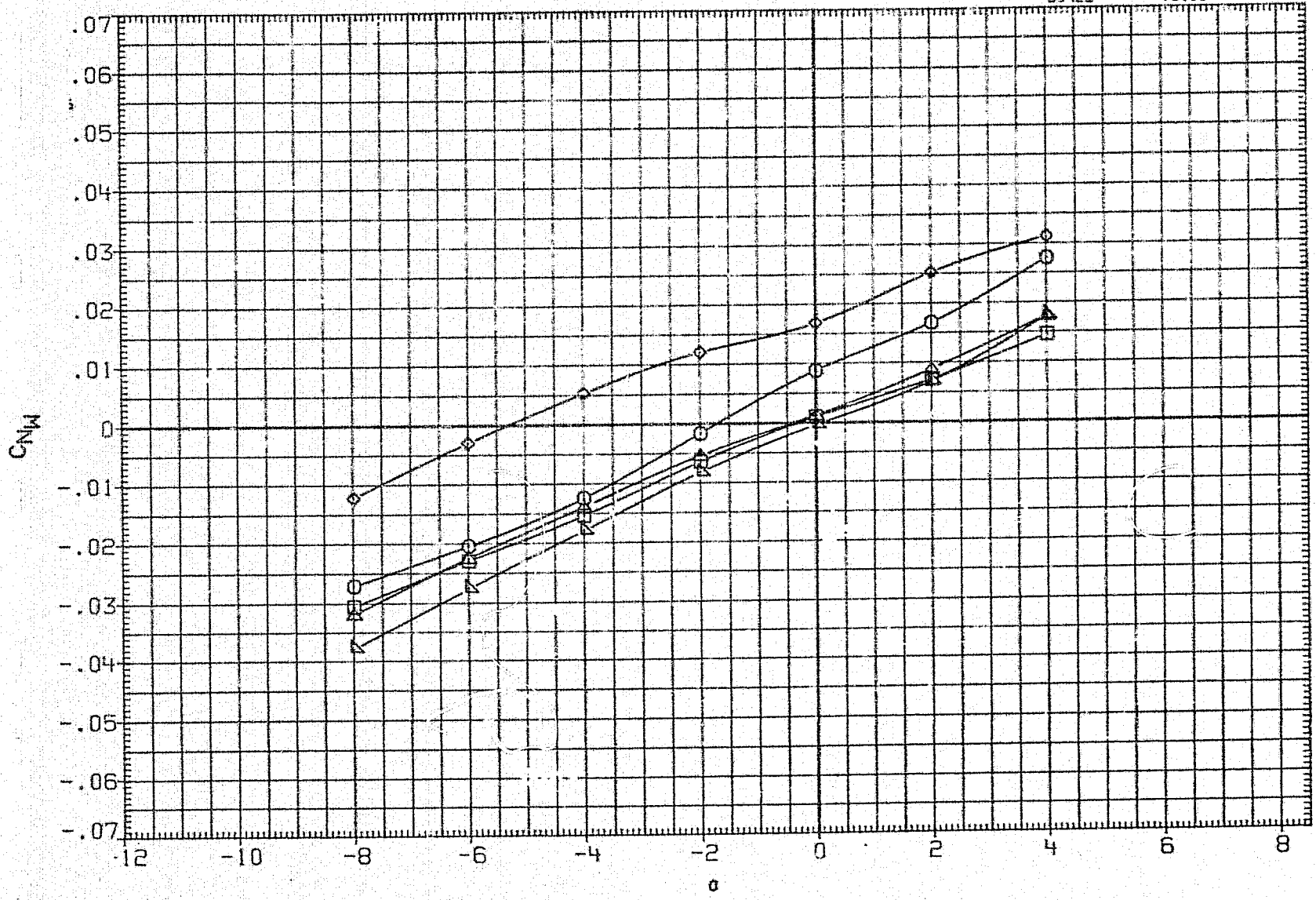


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA01	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA02	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA03	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA04	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA05	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

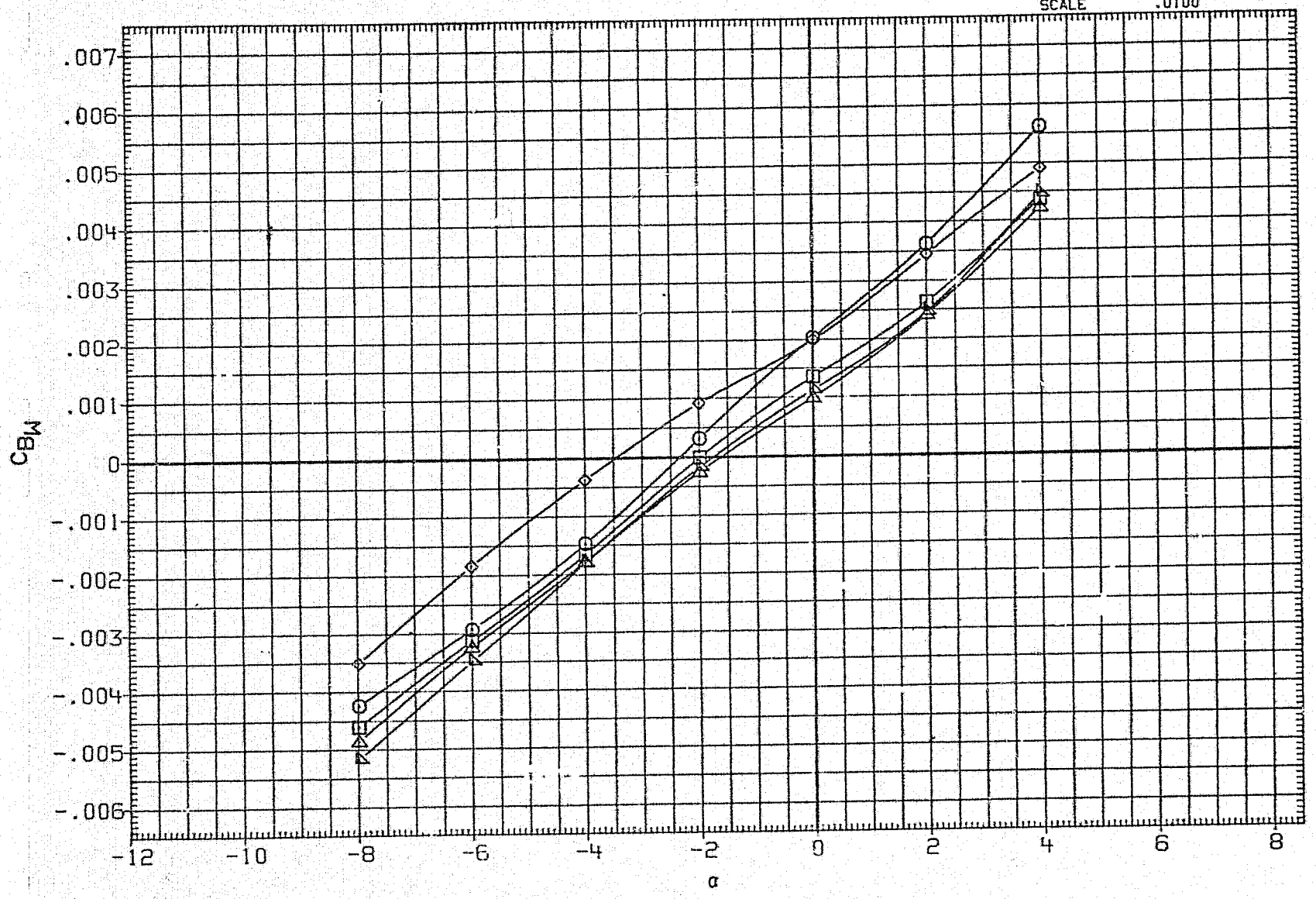


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA01	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA02	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA03	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA04	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA05	⊿	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

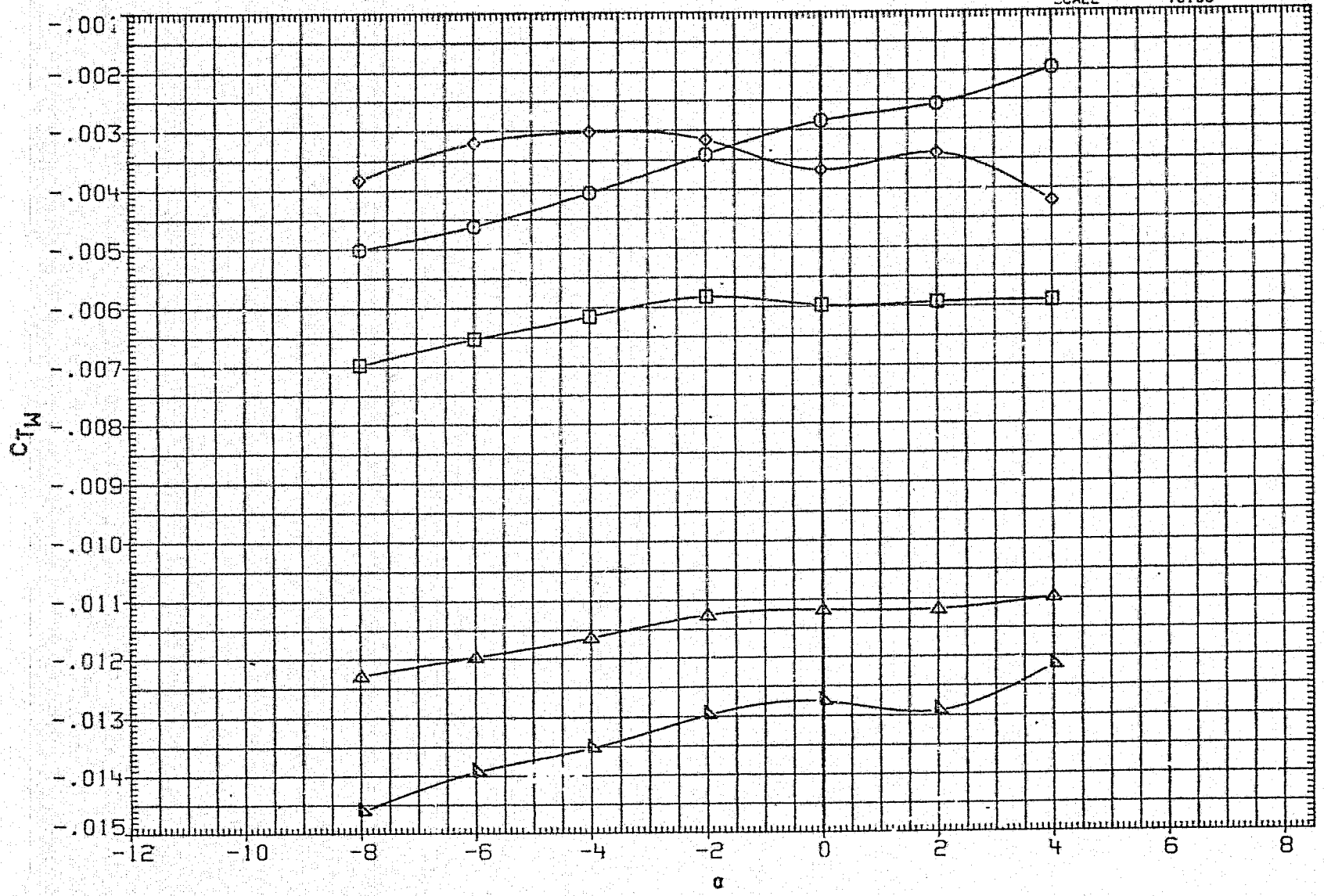


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(IA94B) OTSATI30
MJWA07	□	LARC UPWT 1177(IA94B) OTSATI30
MJWA08	◇	LARC UPWT 1177(IA94B) OTSATI30
MJWA09	△	LARC UPWT 1177(IA94B) OTSATI30
MJWA10	◺	LARC UPWT 1177(IA94B) OTSATI30

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

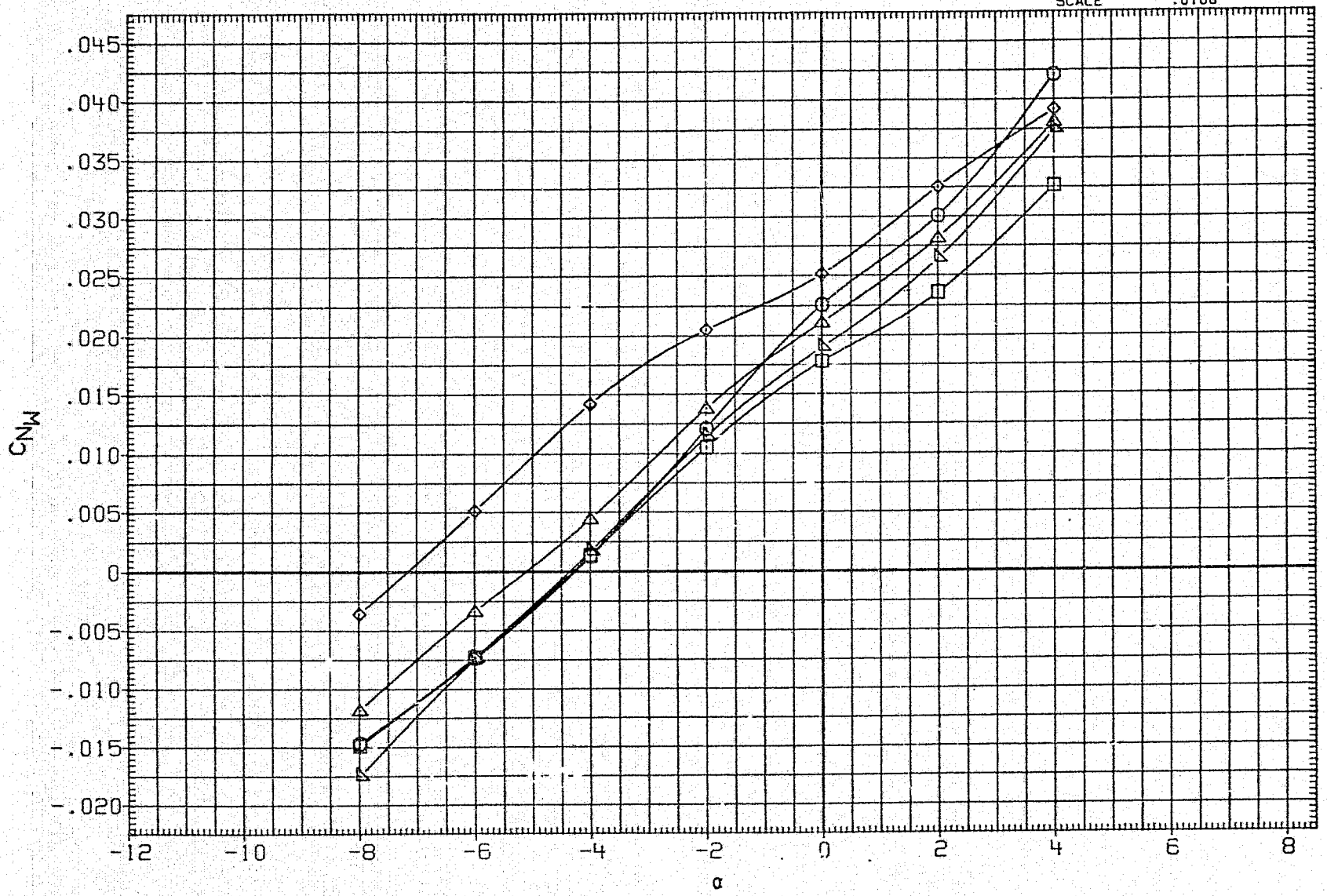


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWA10	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

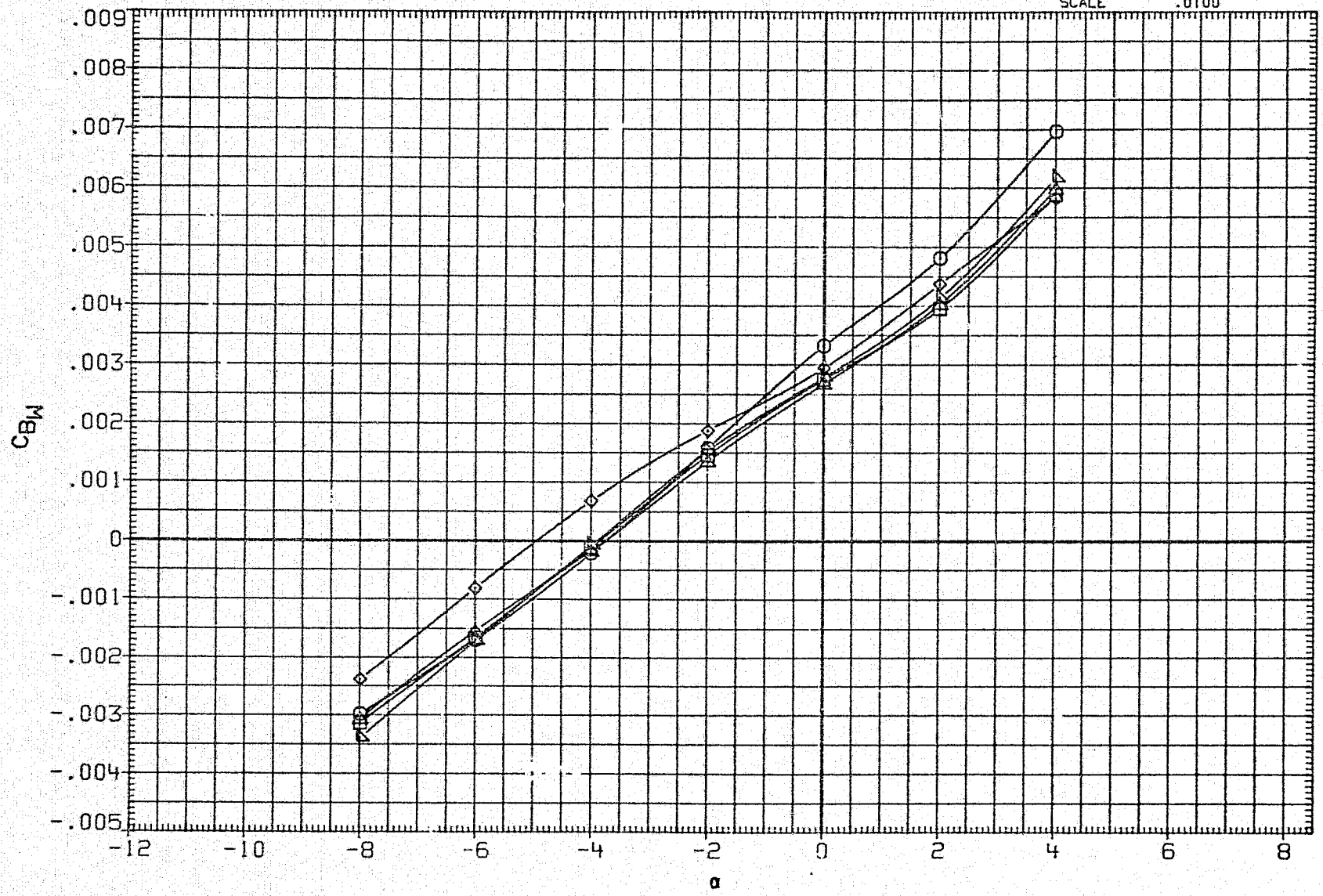


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWA10	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

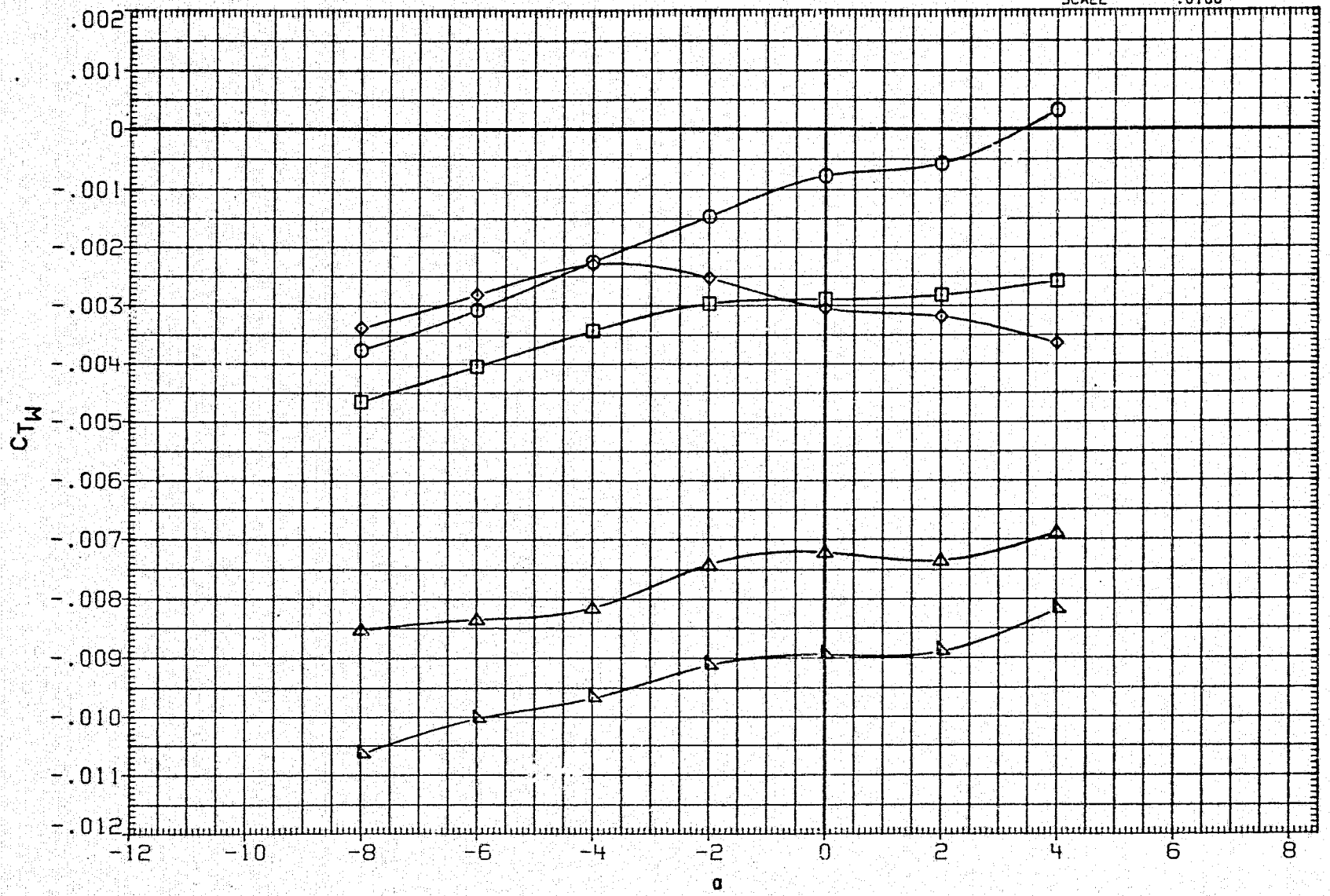


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA10	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

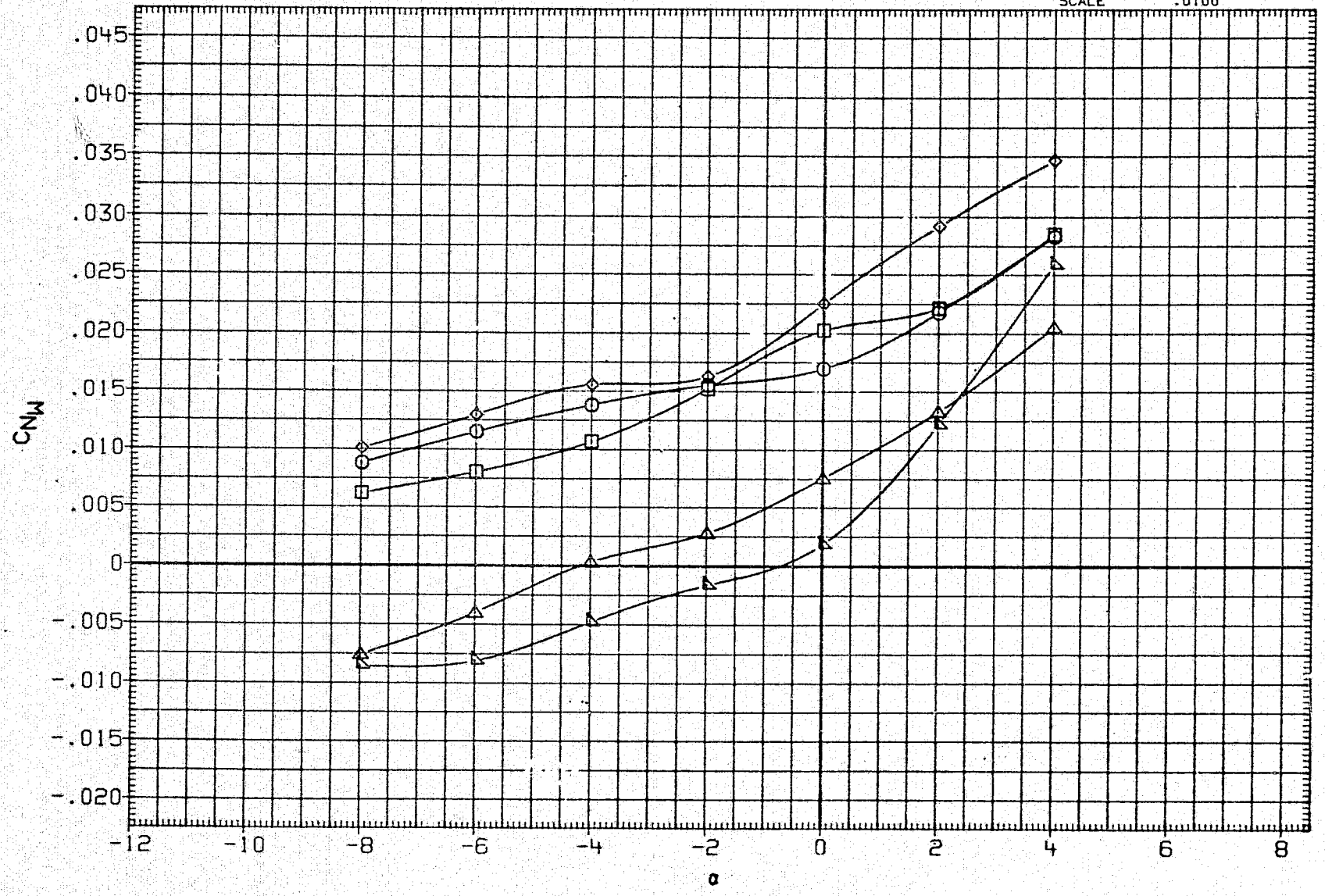


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWA10	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

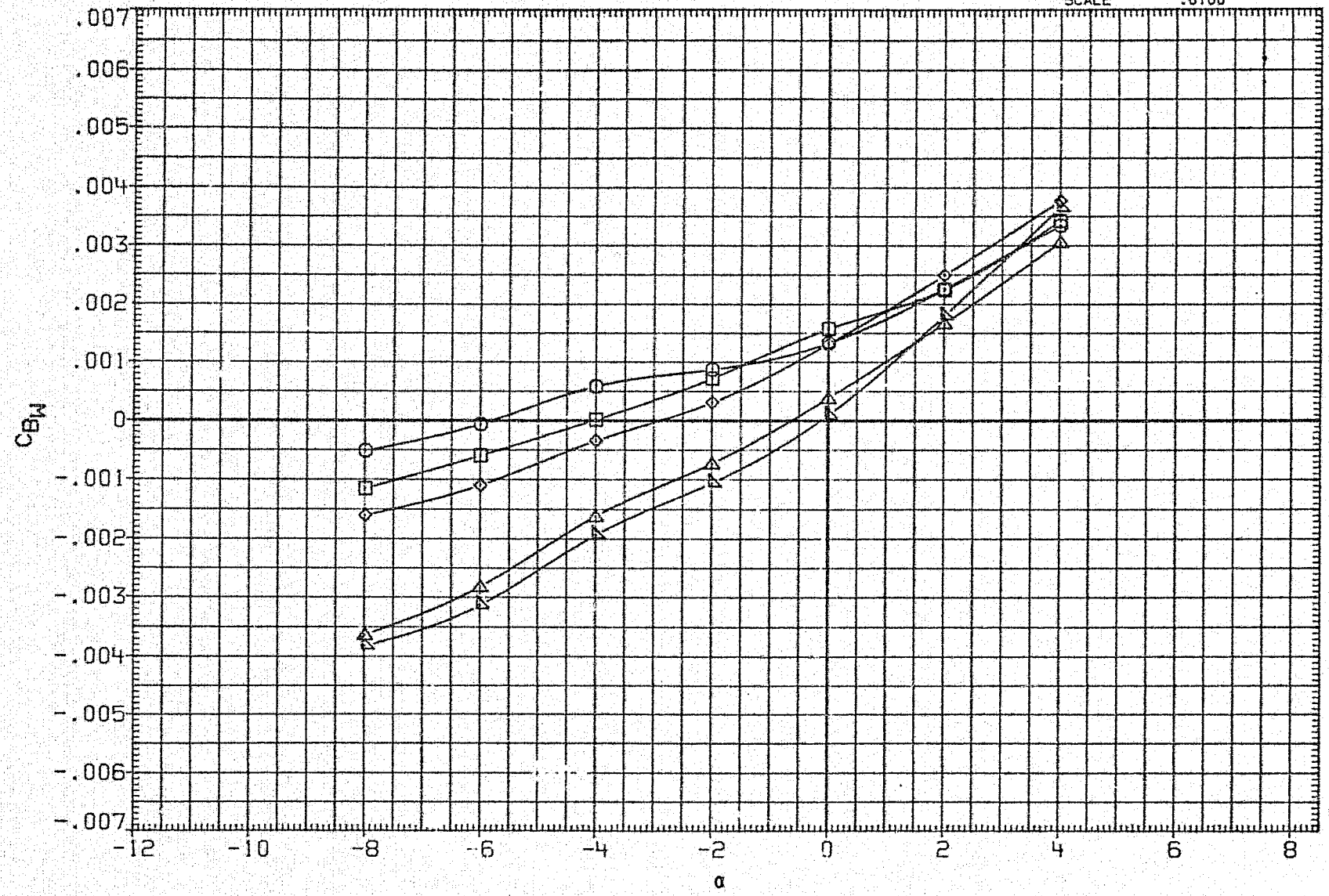


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA10	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

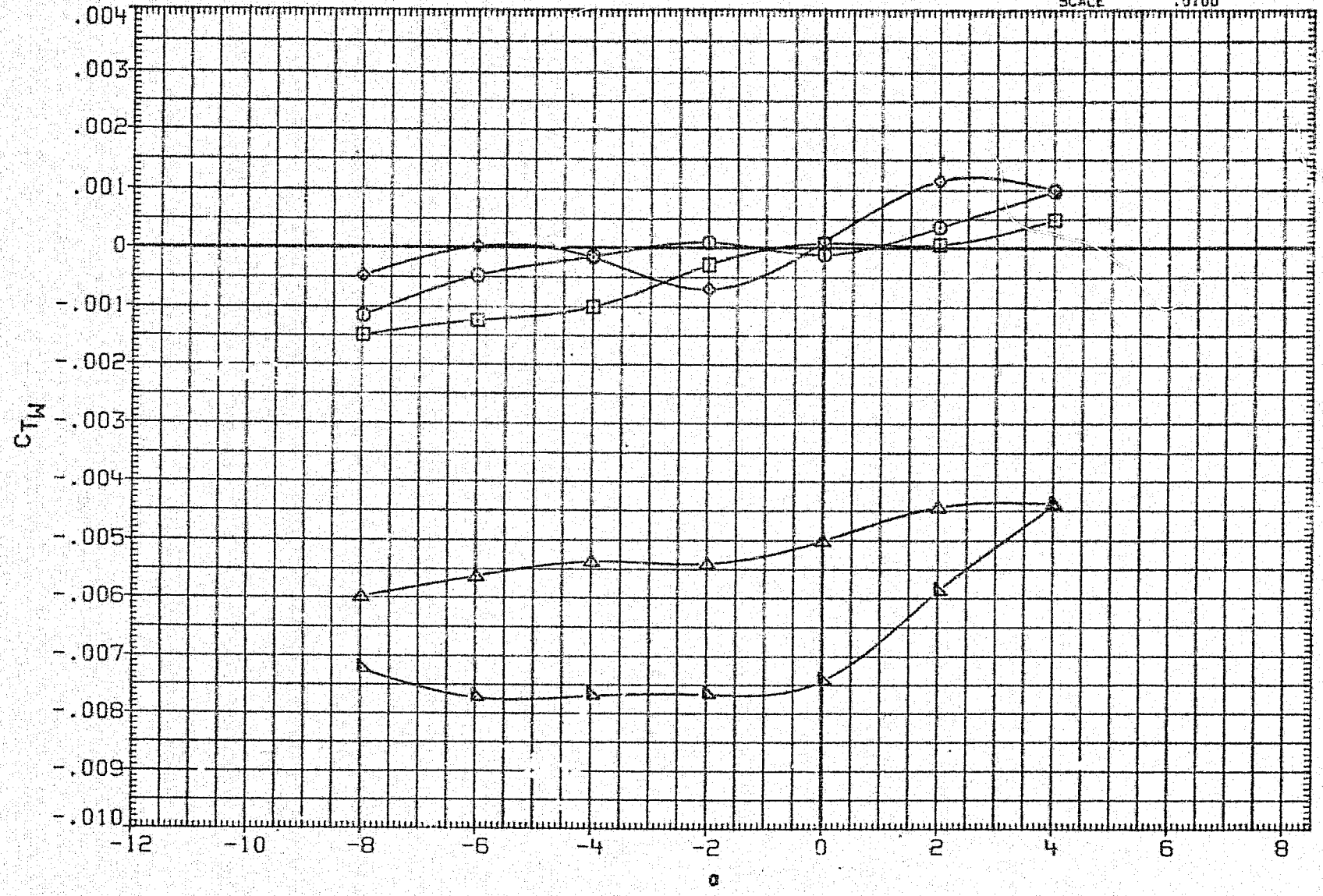


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA10	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

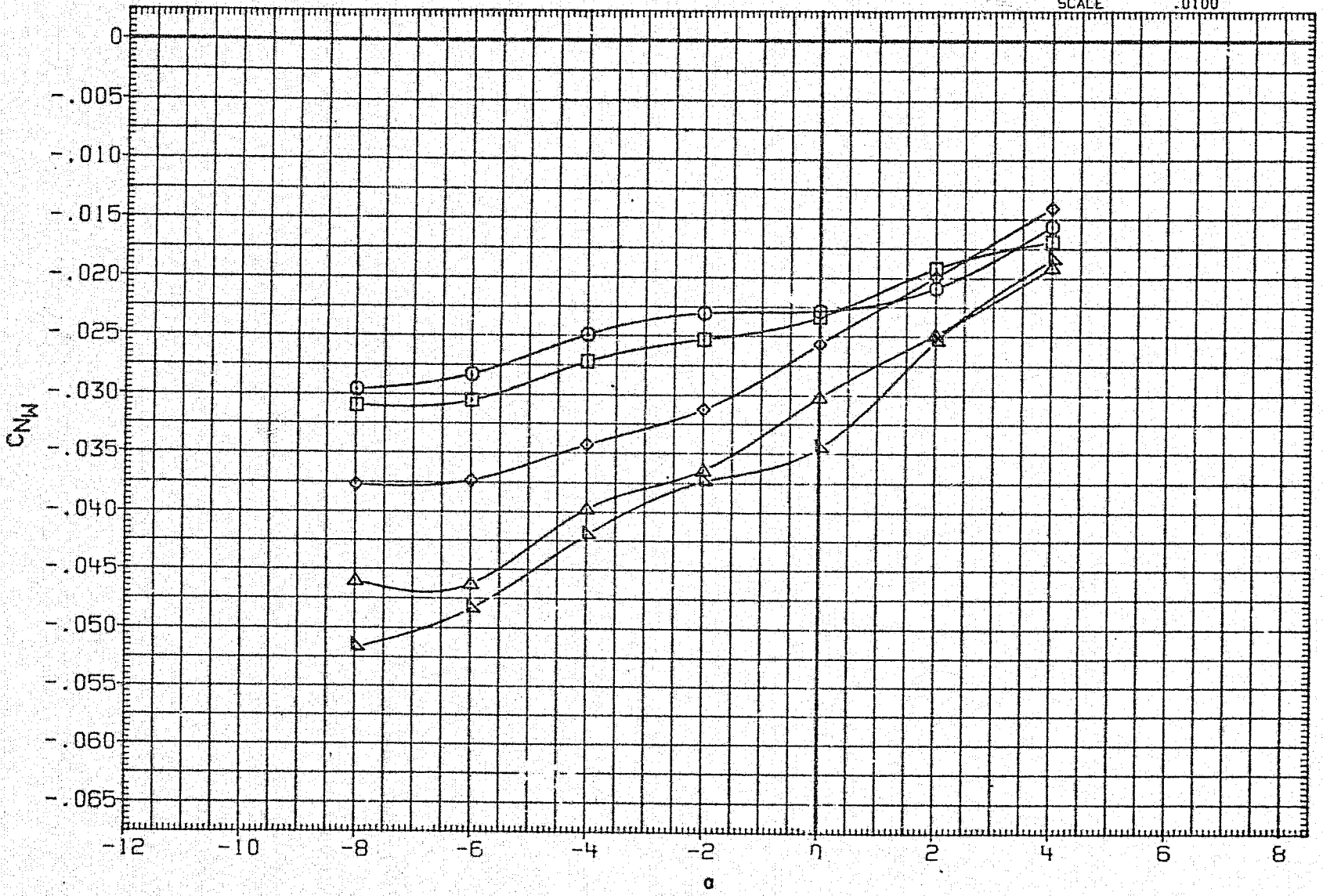


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA06	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA07	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA08	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA09	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA10	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	-5.000	8.000	-5.000
-4.000	8.000	-5.000	8.000	-5.000
.000	8.000	-5.000	8.000	-5.000
4.000	8.000	-5.000	8.000	-5.000
6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

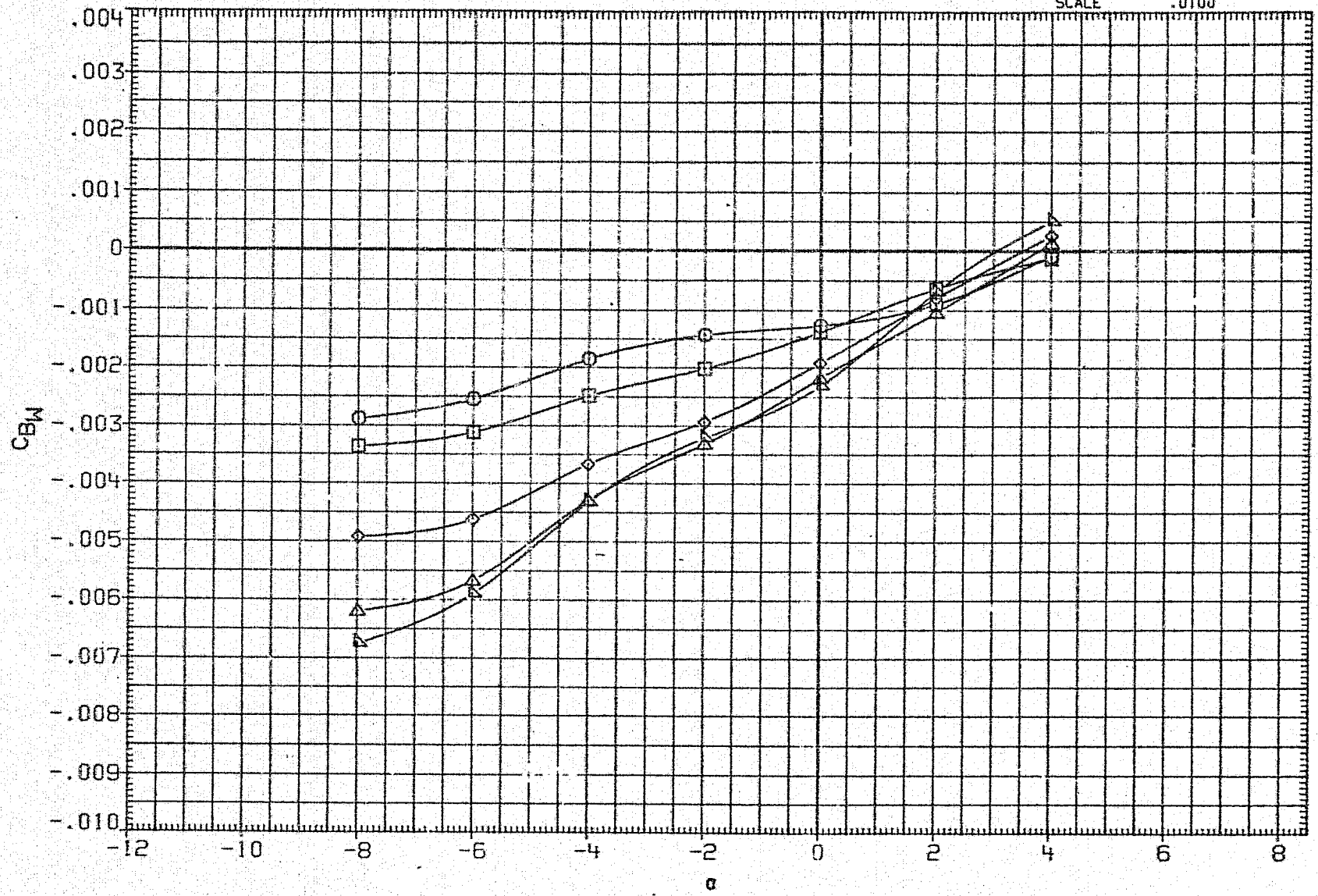


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA06	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWA07	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWA08	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWA09	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWA10	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2590.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

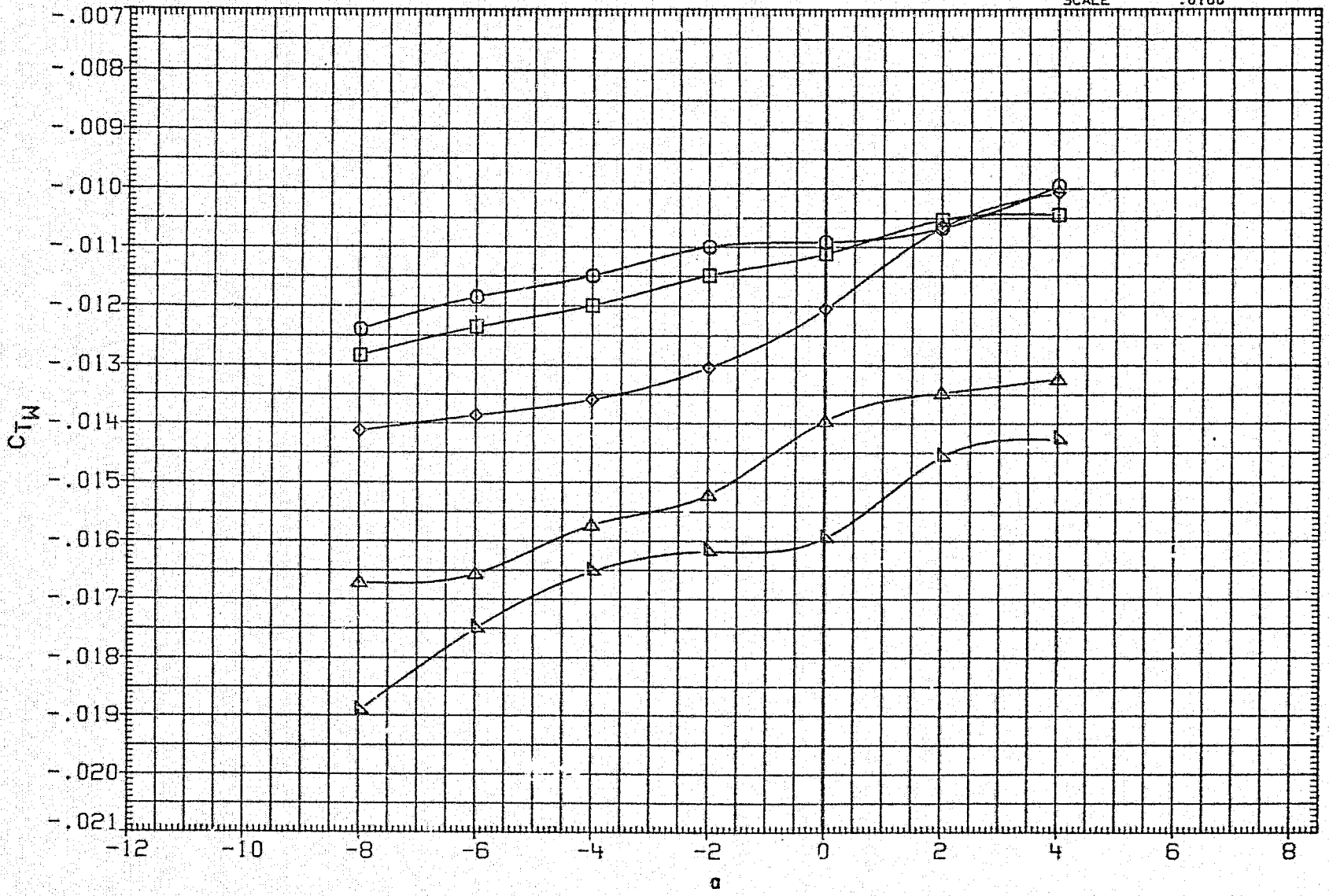


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA11	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWA12	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWA13	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWA14	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWA15	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

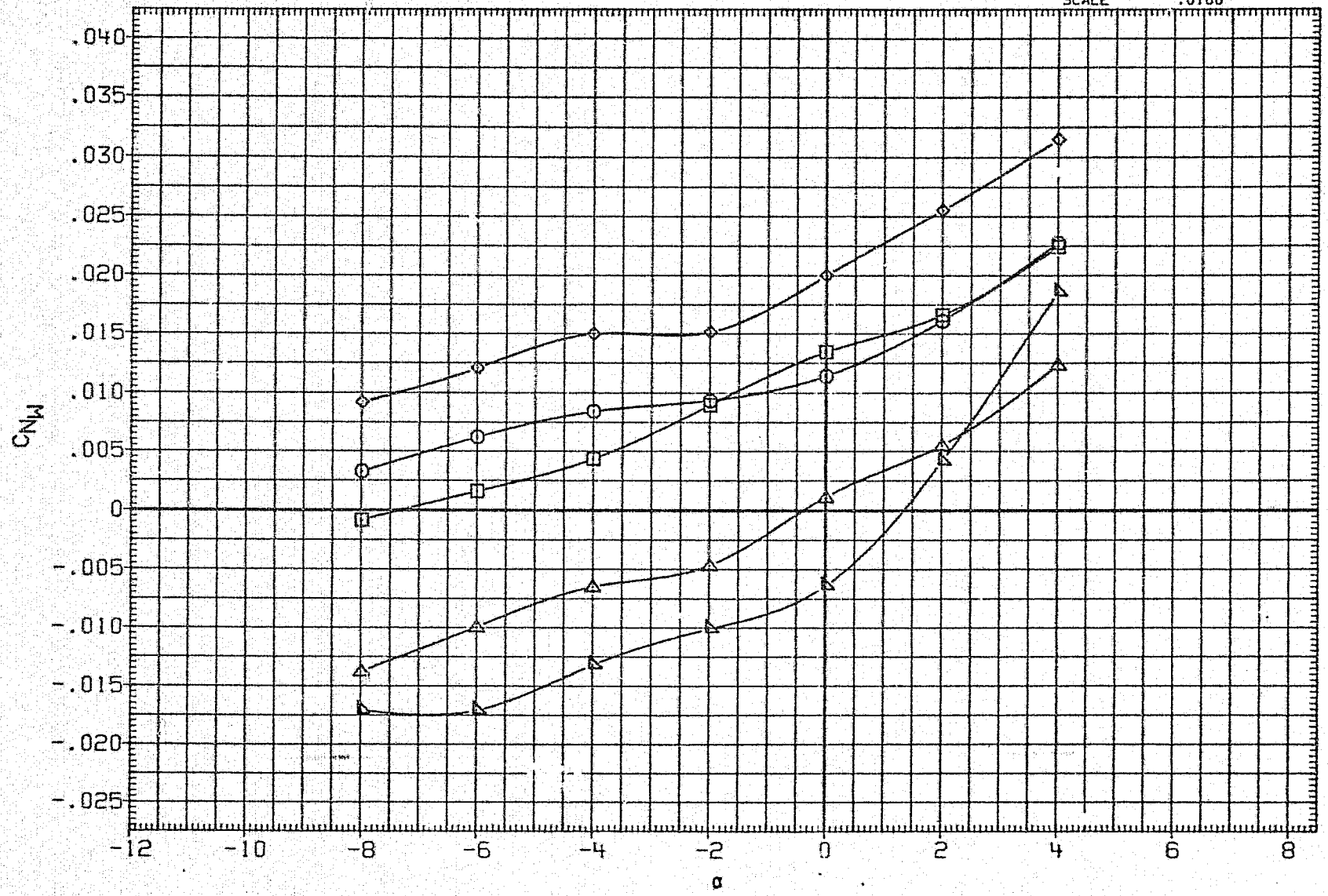


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA11	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWA12	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWA13	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWA14	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWA15	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

* REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

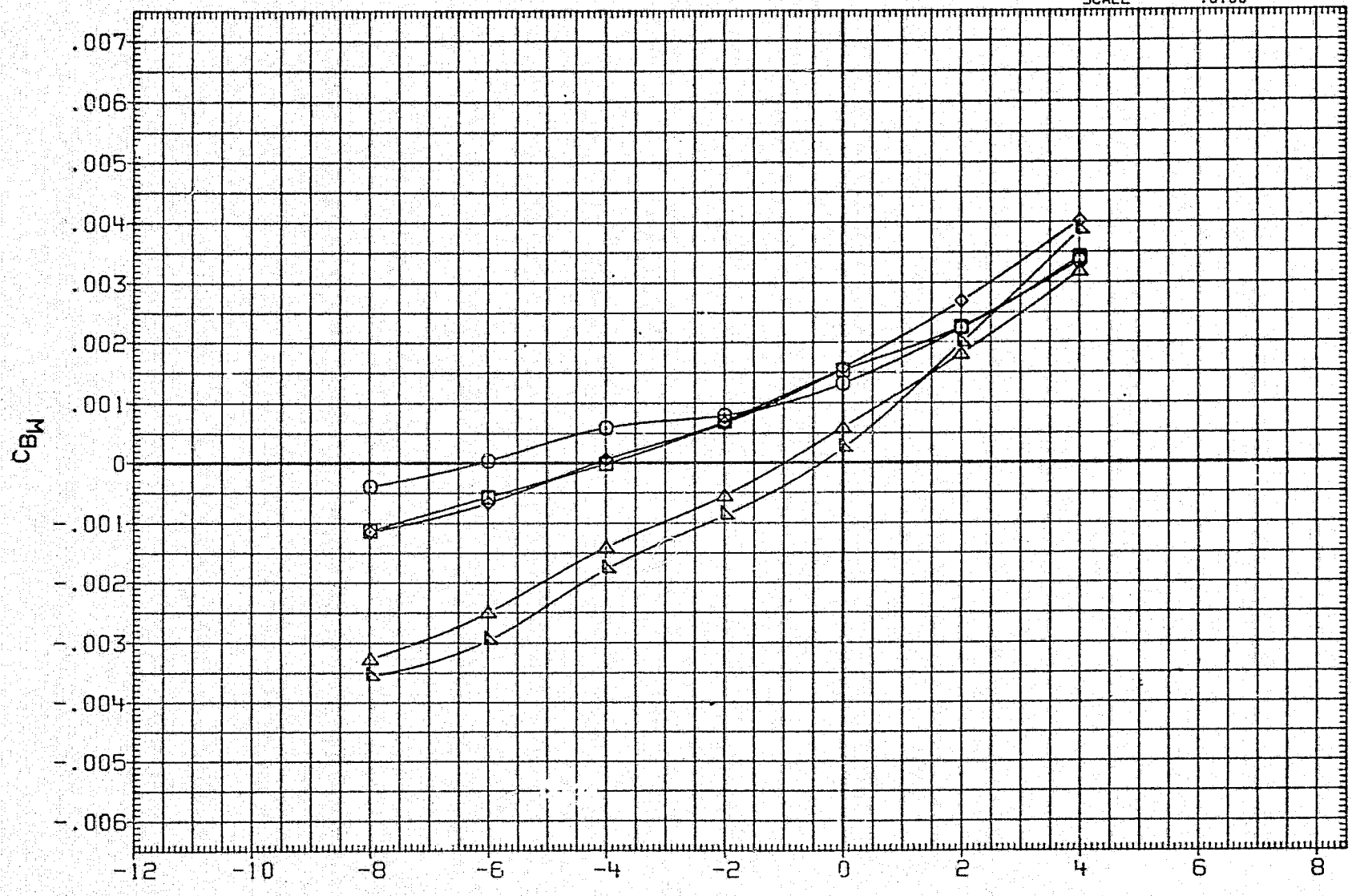


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWA15	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

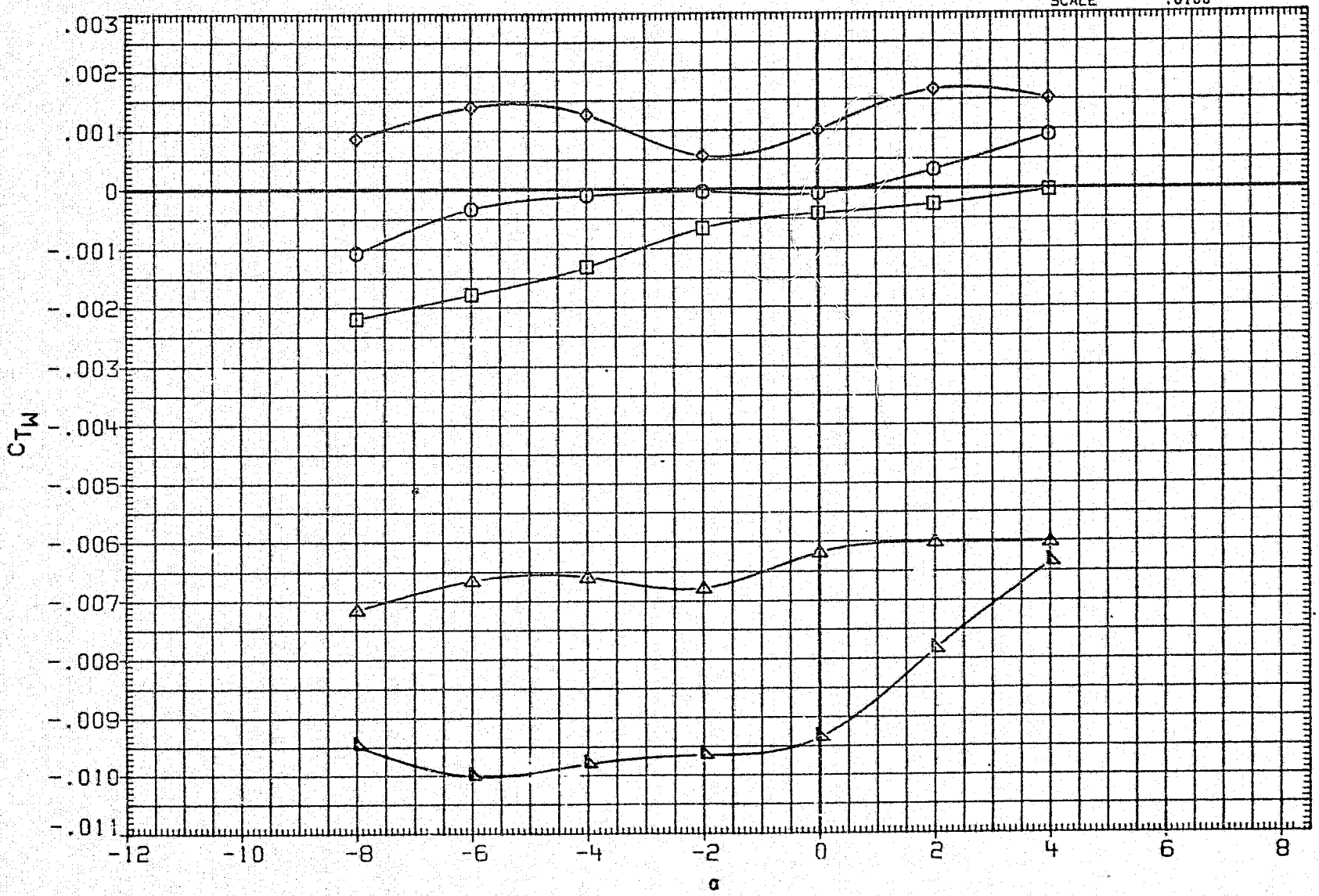


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWA15	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

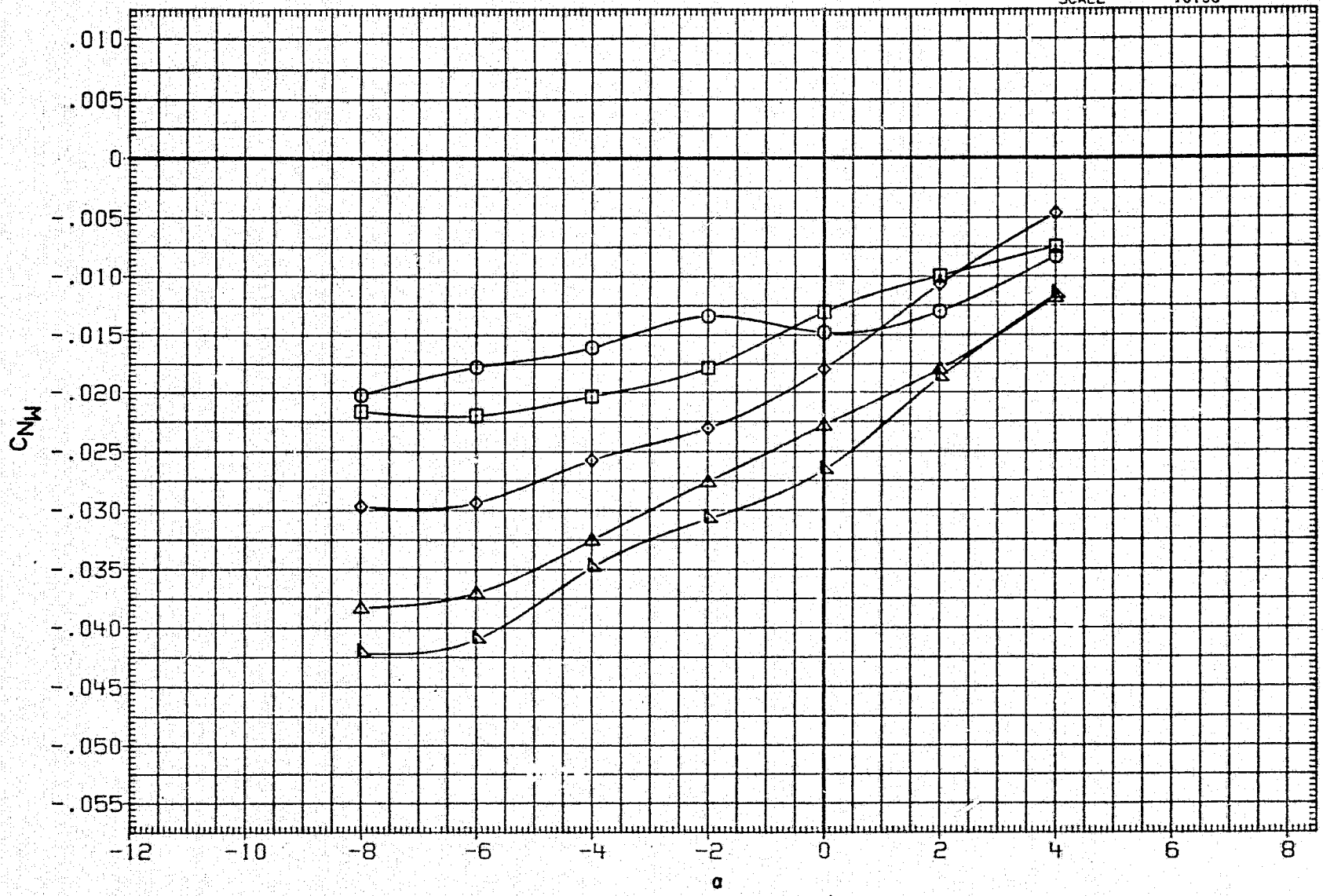


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA15	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

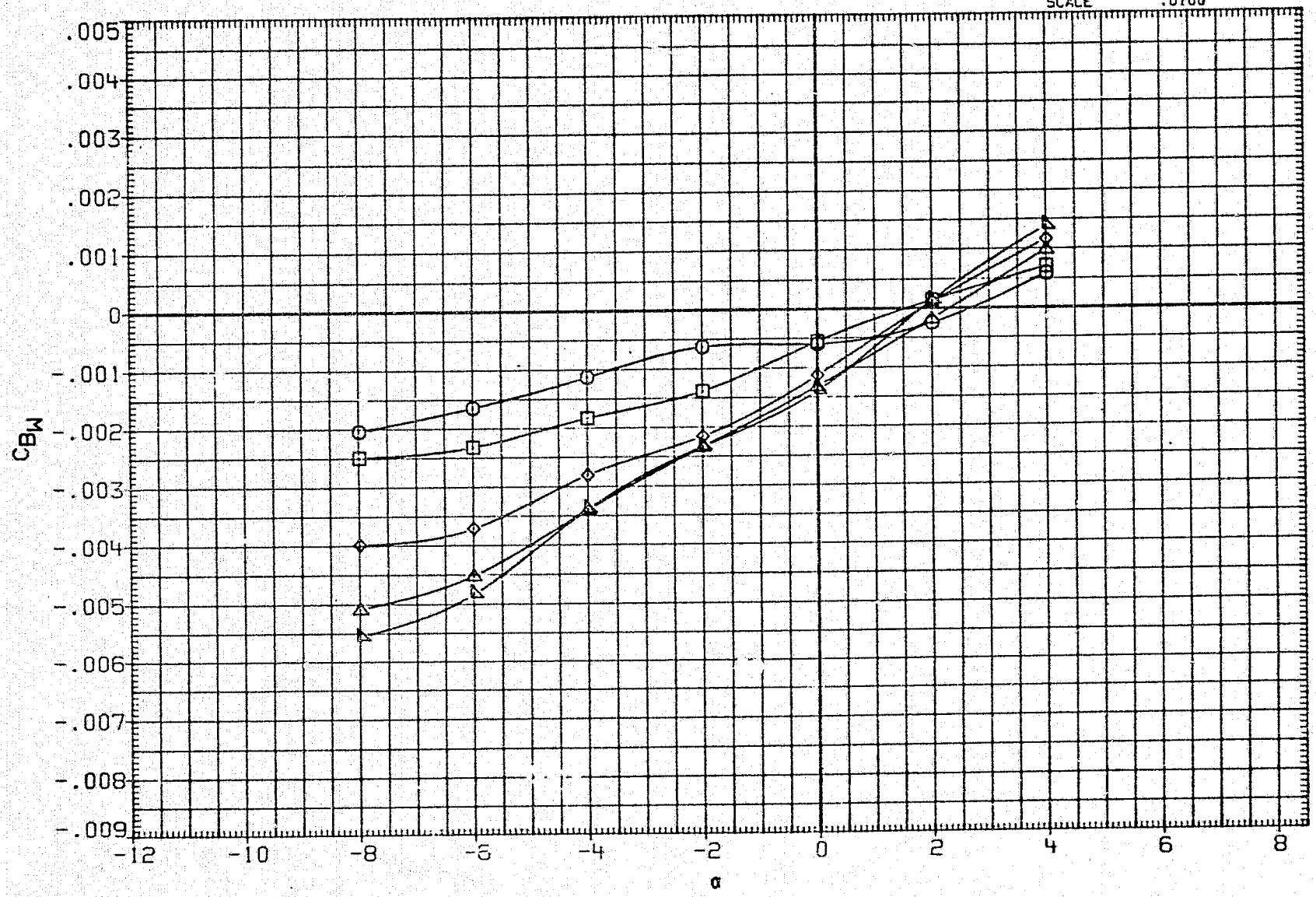


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA11	○	LARC UPWT 1177(1A948) OTSAT130
MJWA12	□	LARC UPWT 1177(1A948) OTSAT130
MJWA13	◇	LARC UPWT 1177(1A948) OTSAT130
MJWA14	△	LARC UPWT 1177(1A948) OTSAT130
MJWA15	▷	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

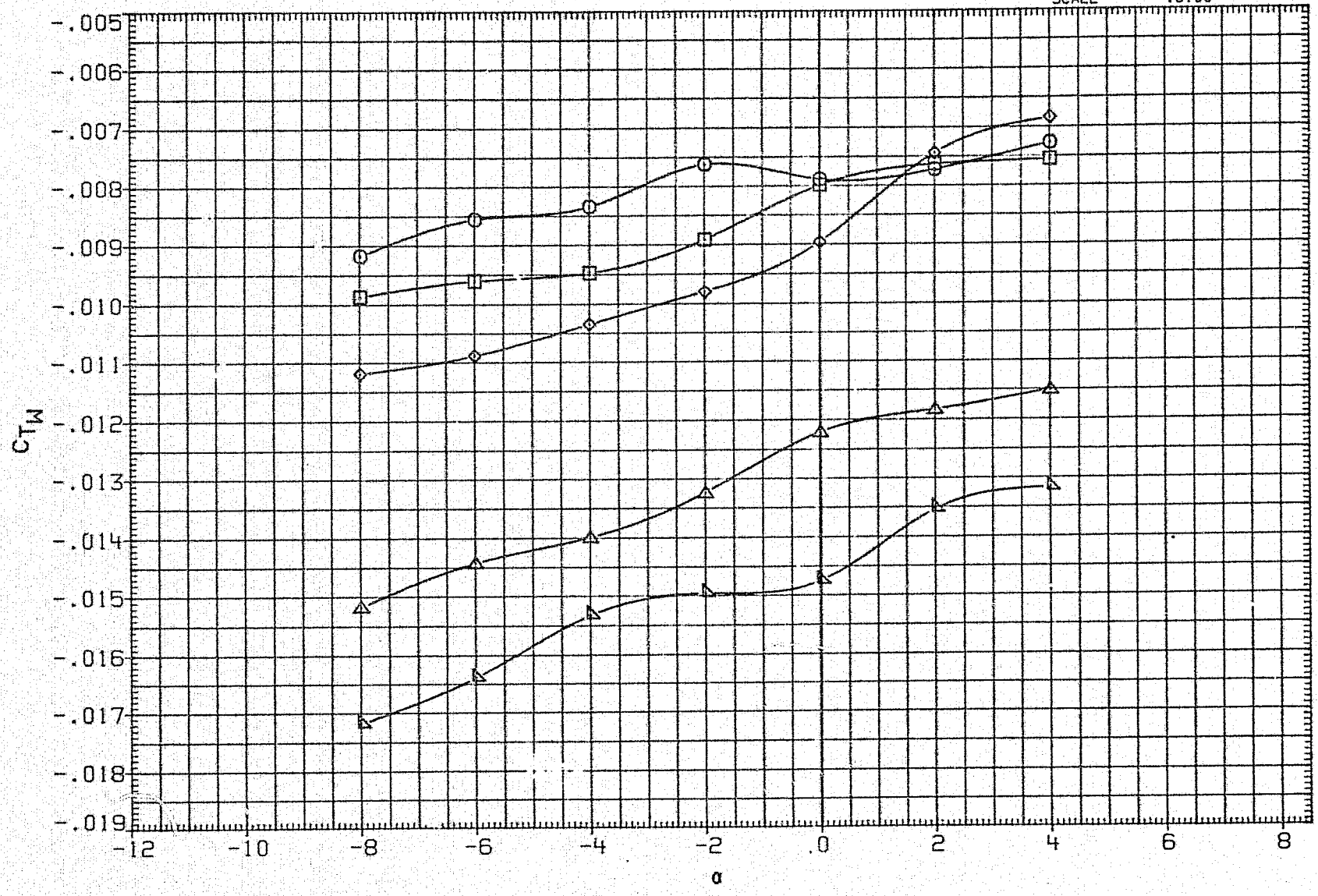


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA19	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA20	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

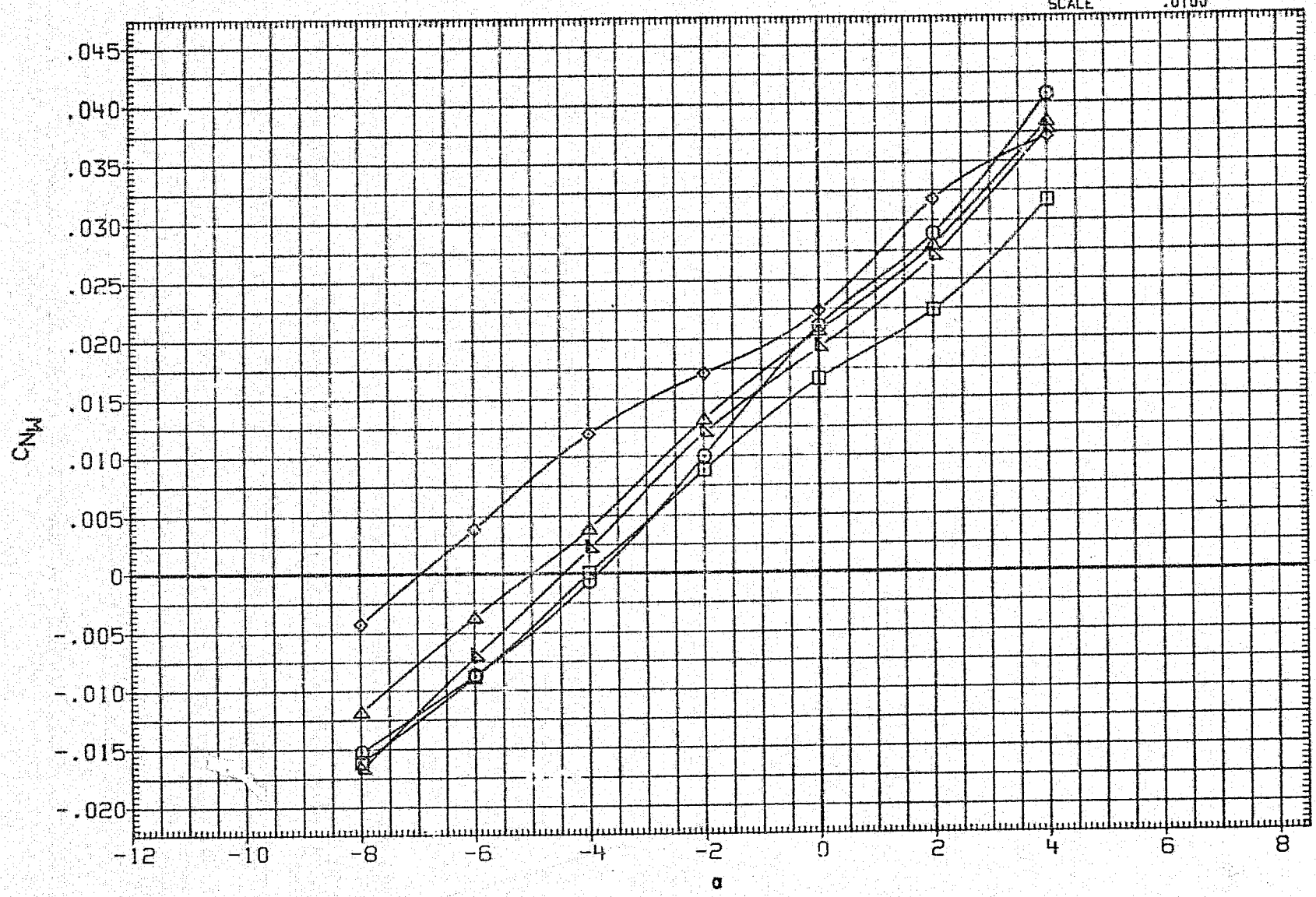


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA16	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA17	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA18	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA19	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA20	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

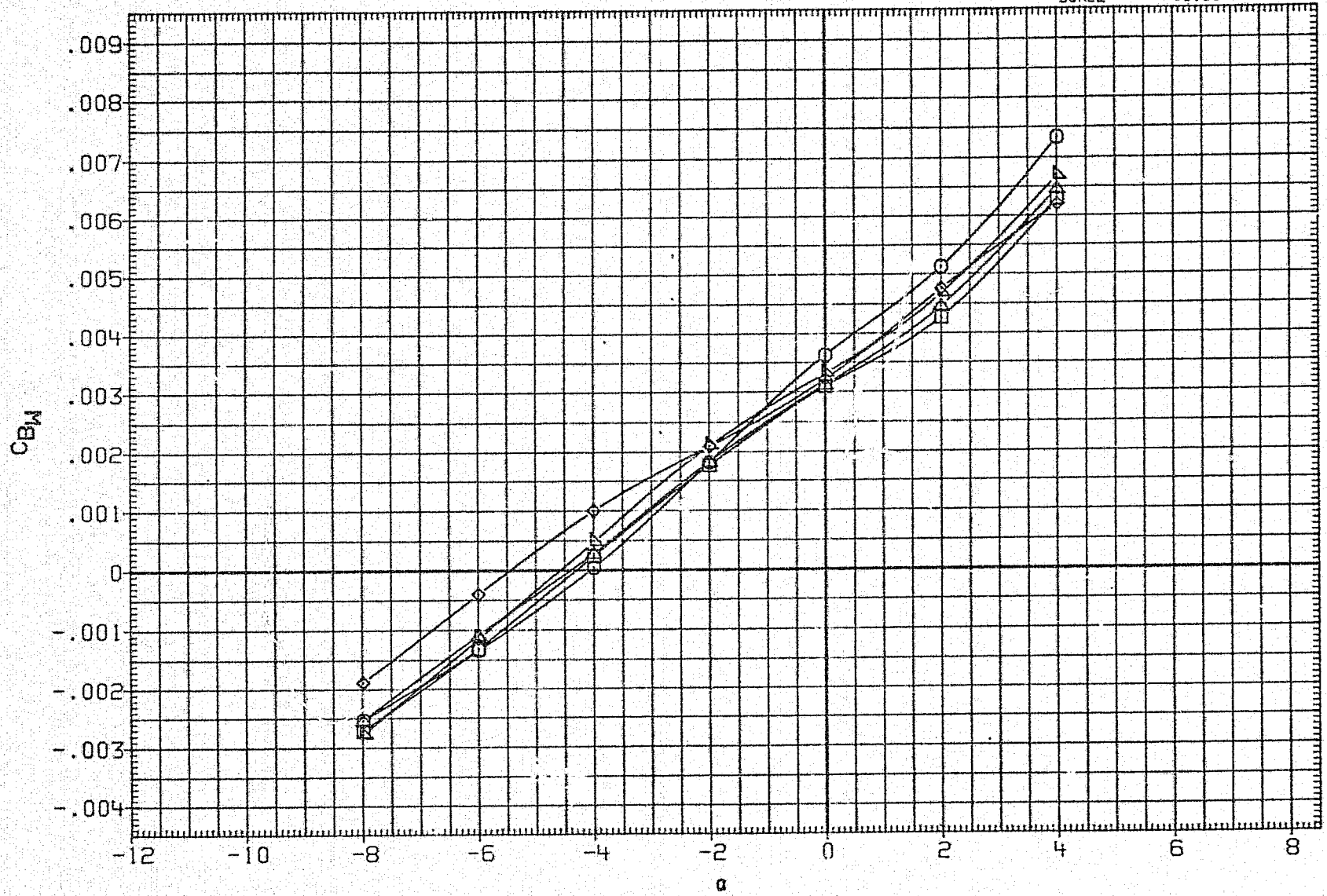


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA16	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	2.000	8.000	2.000
MJWA17	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	2.000	8.000	2.000
MJWA18	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	2.000	8.000	2.000
MJWA19	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	2.000	8.000	2.000
MJWA20	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

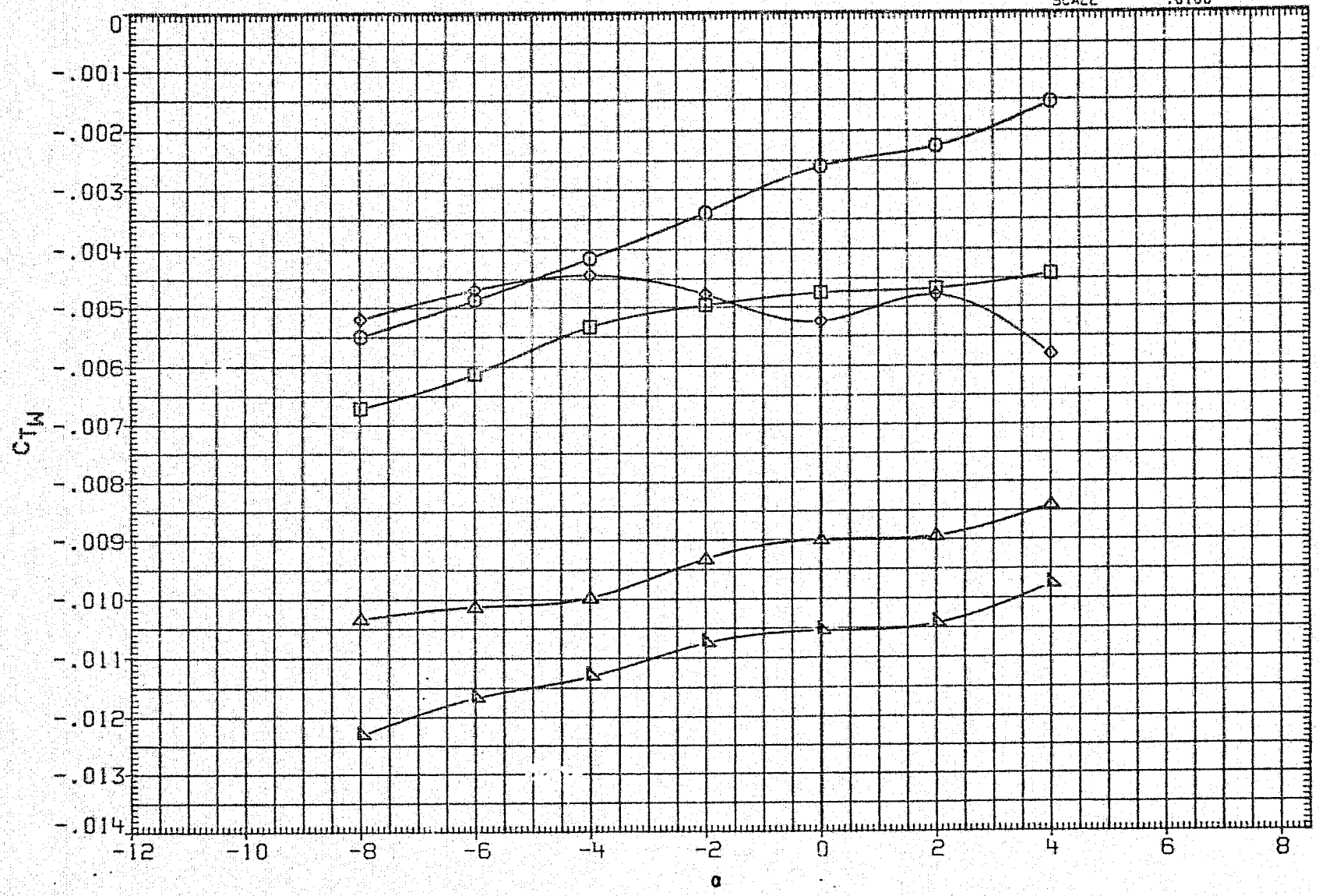


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWA25	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

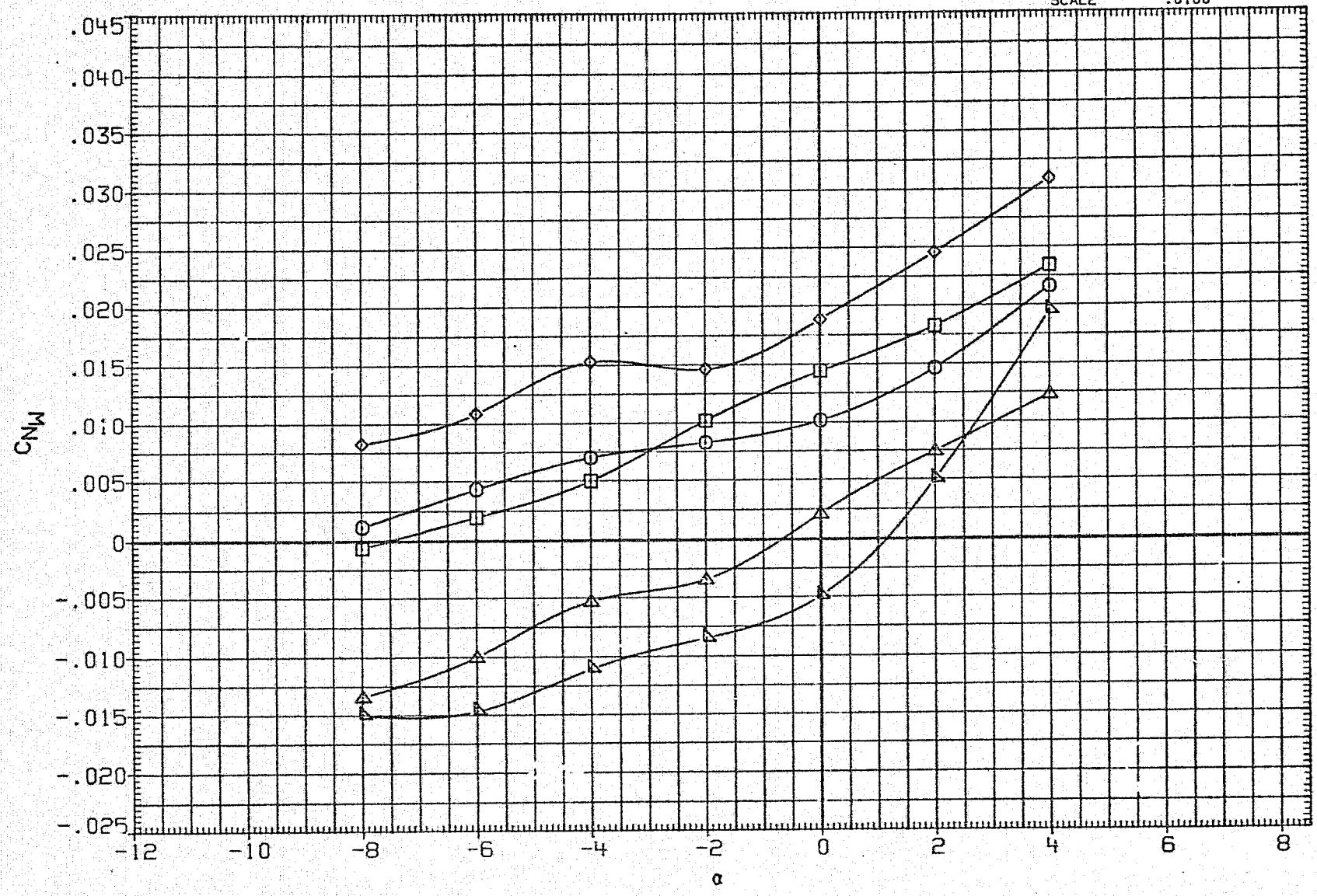


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWA25	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

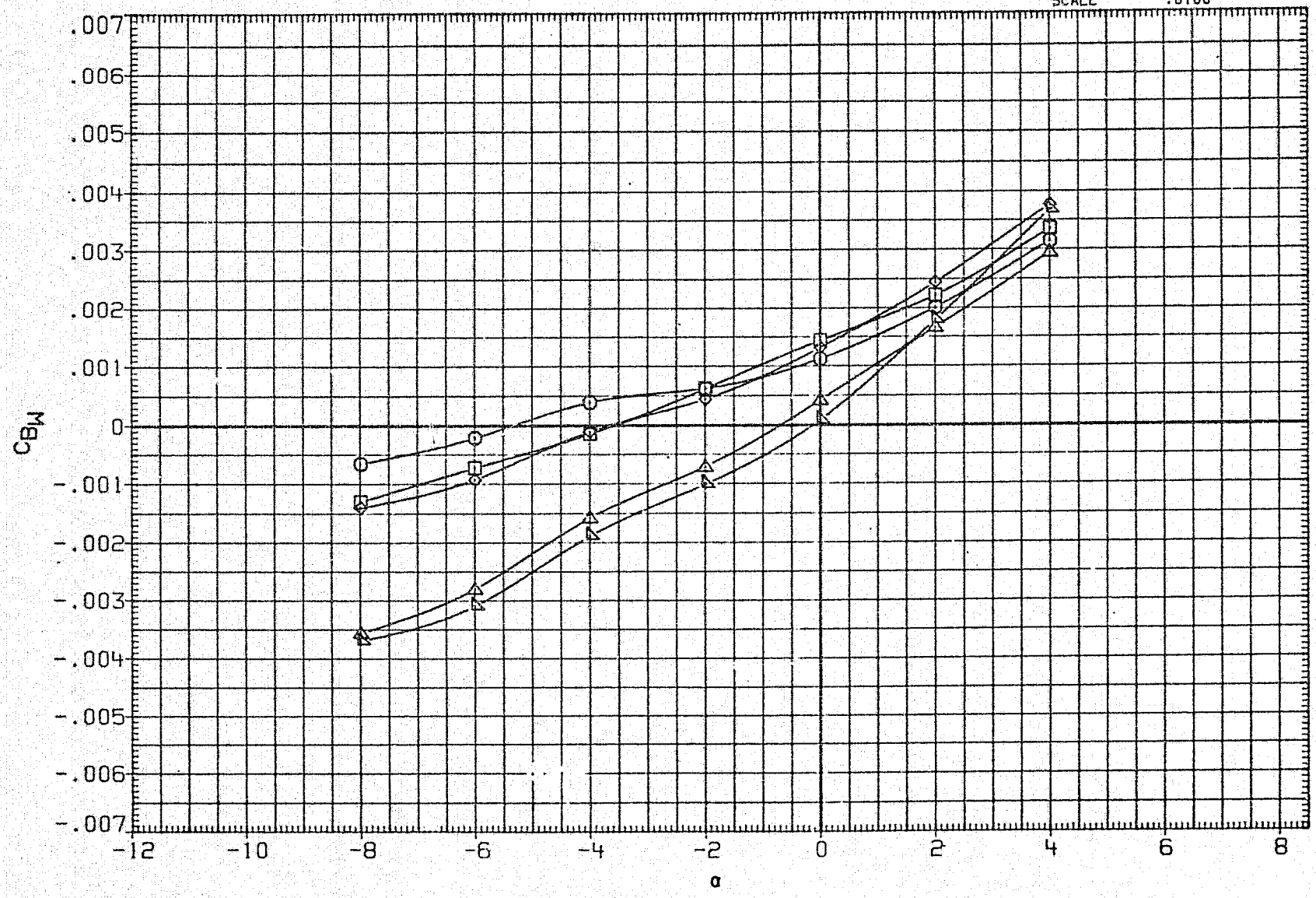


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA21	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWA22	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWA23	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWA24	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWA25	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

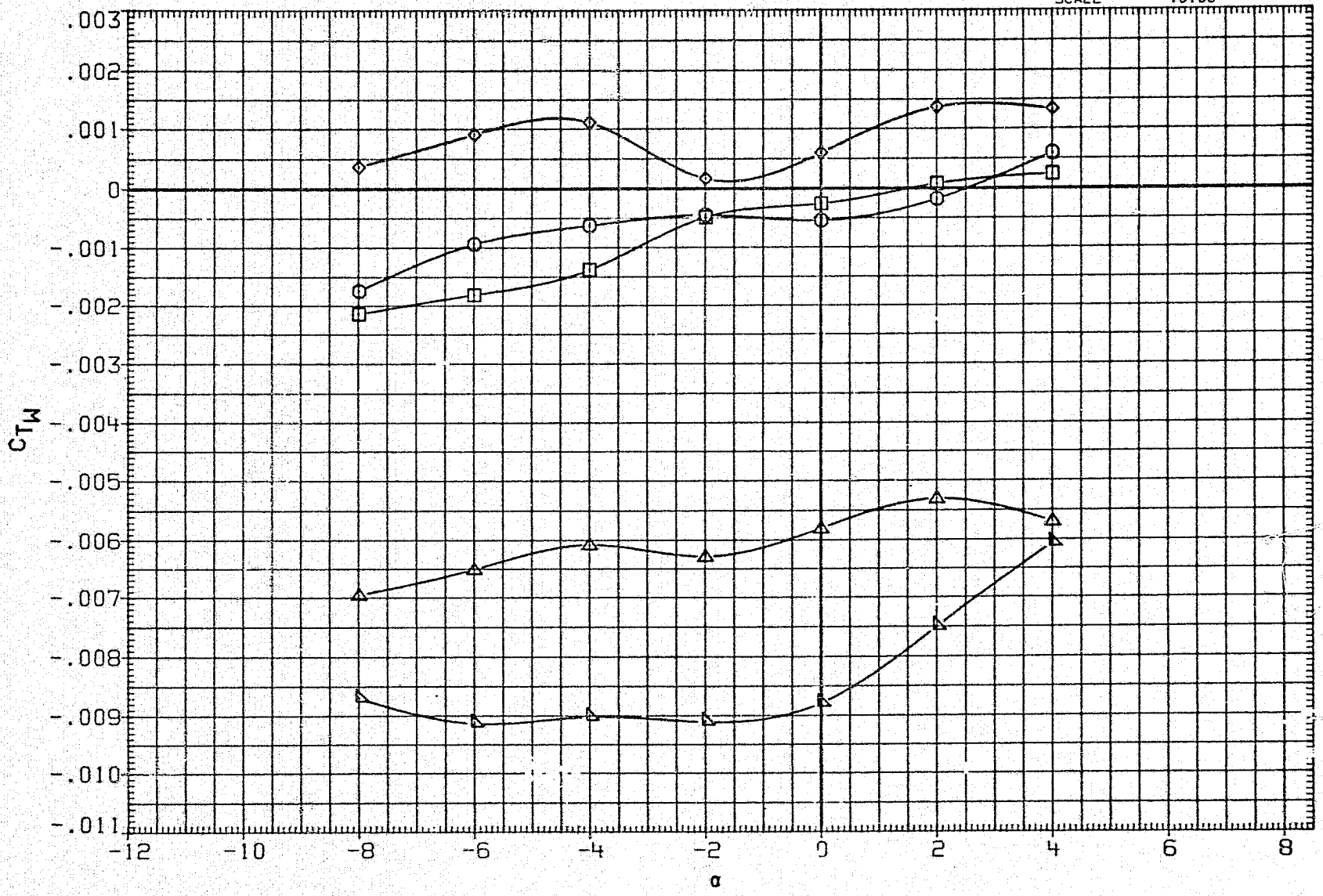


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA25	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

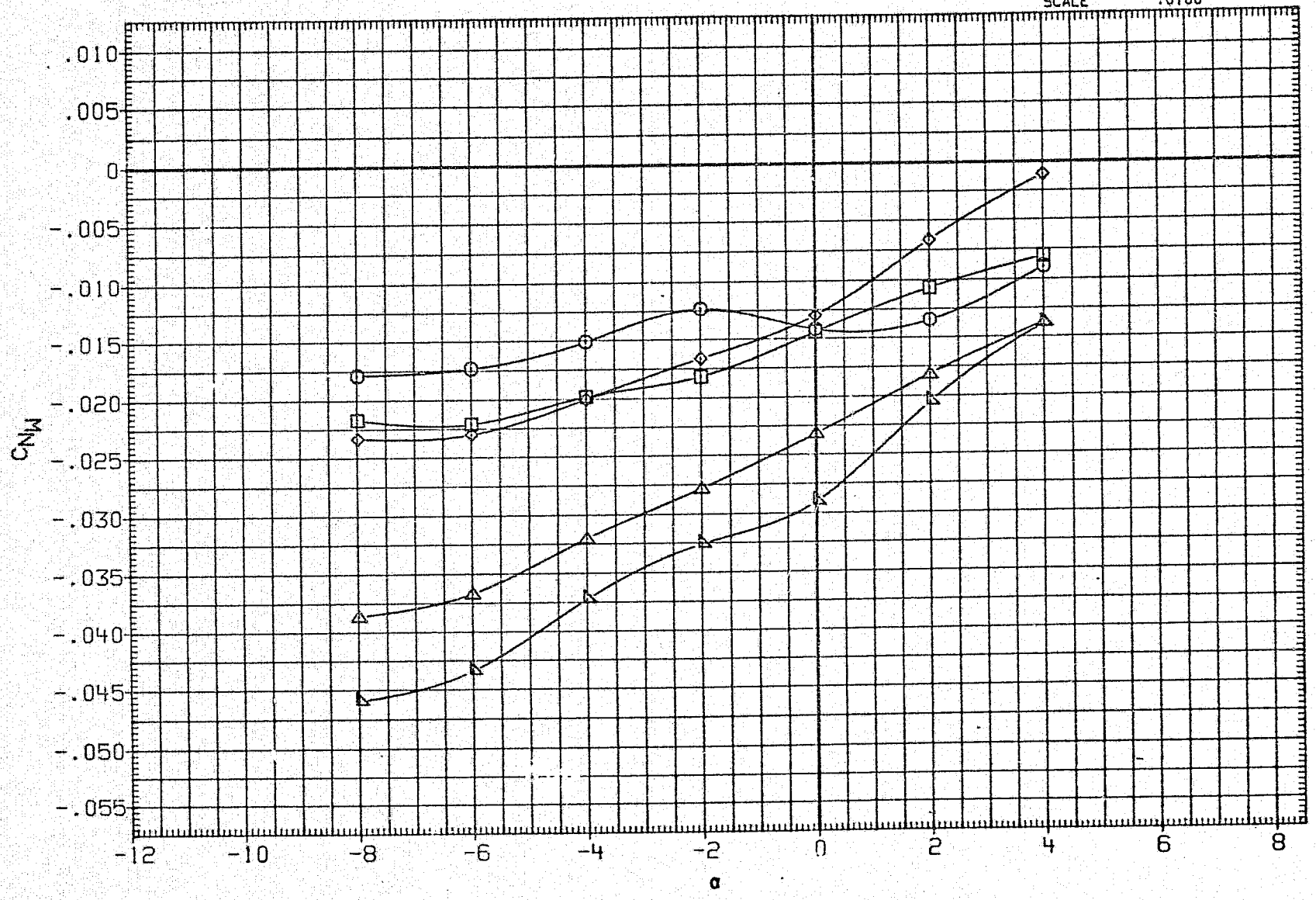


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA25	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

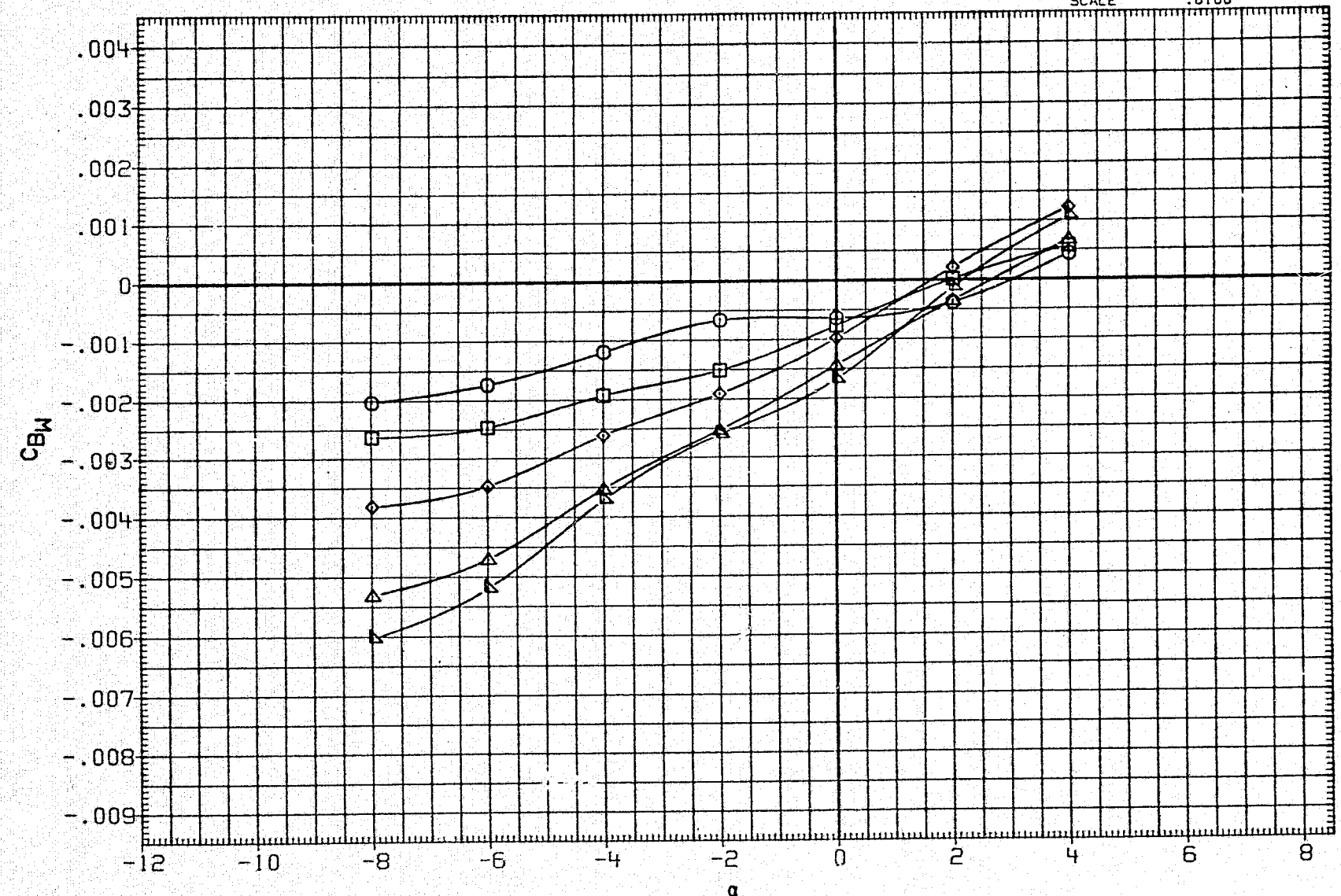


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA.	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA21	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWA22	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWA23	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWA24	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWA25	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

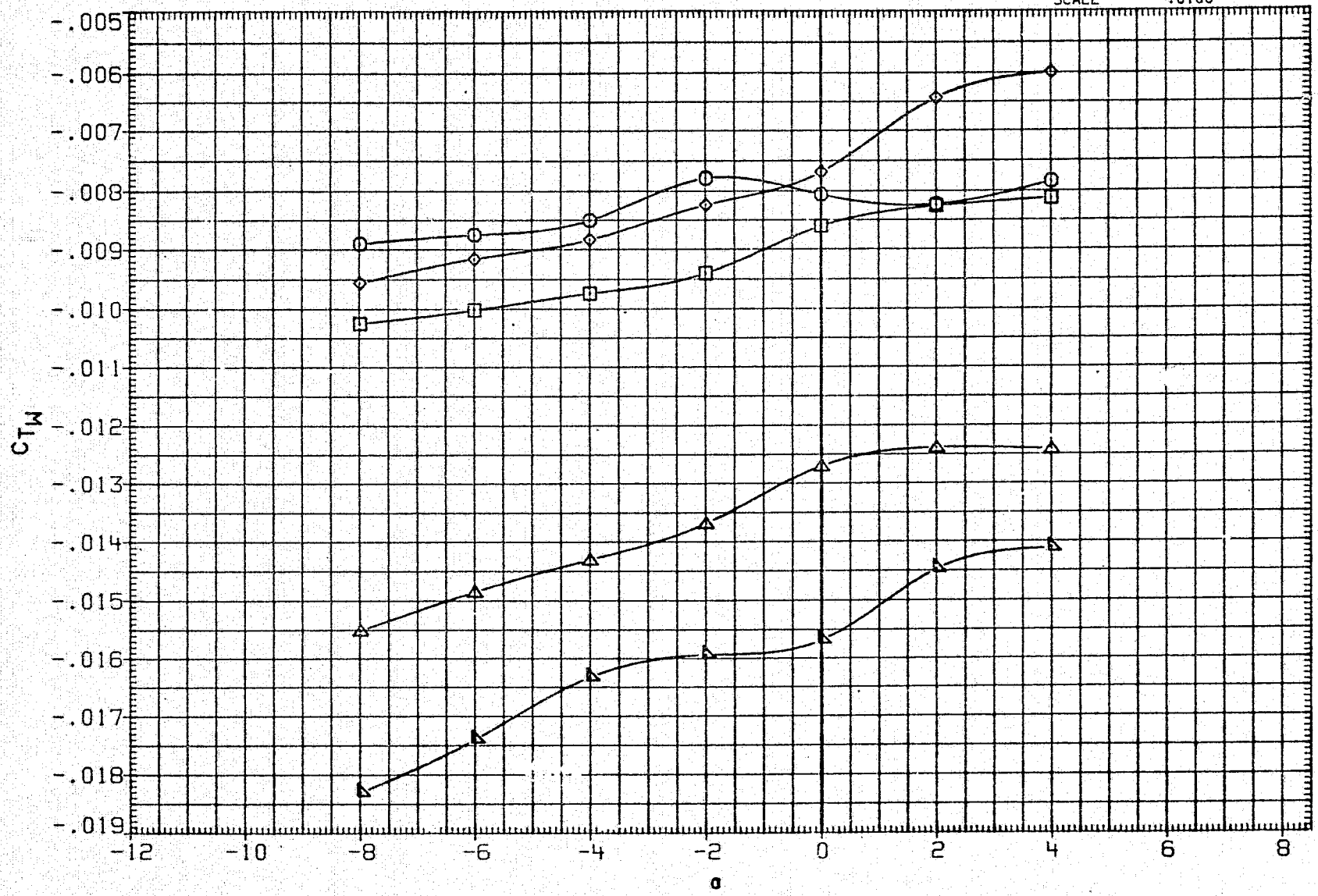


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA30	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

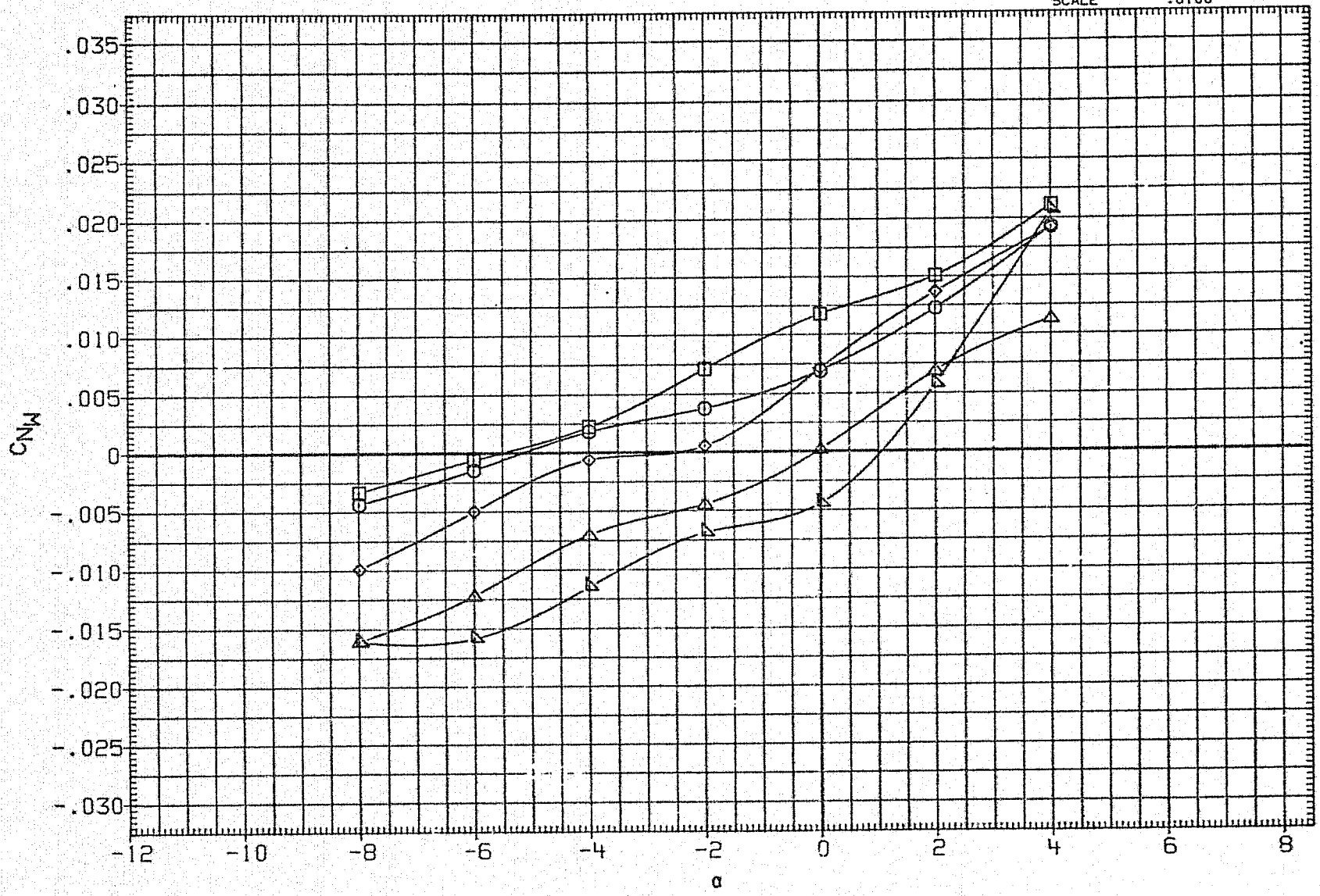


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA30	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

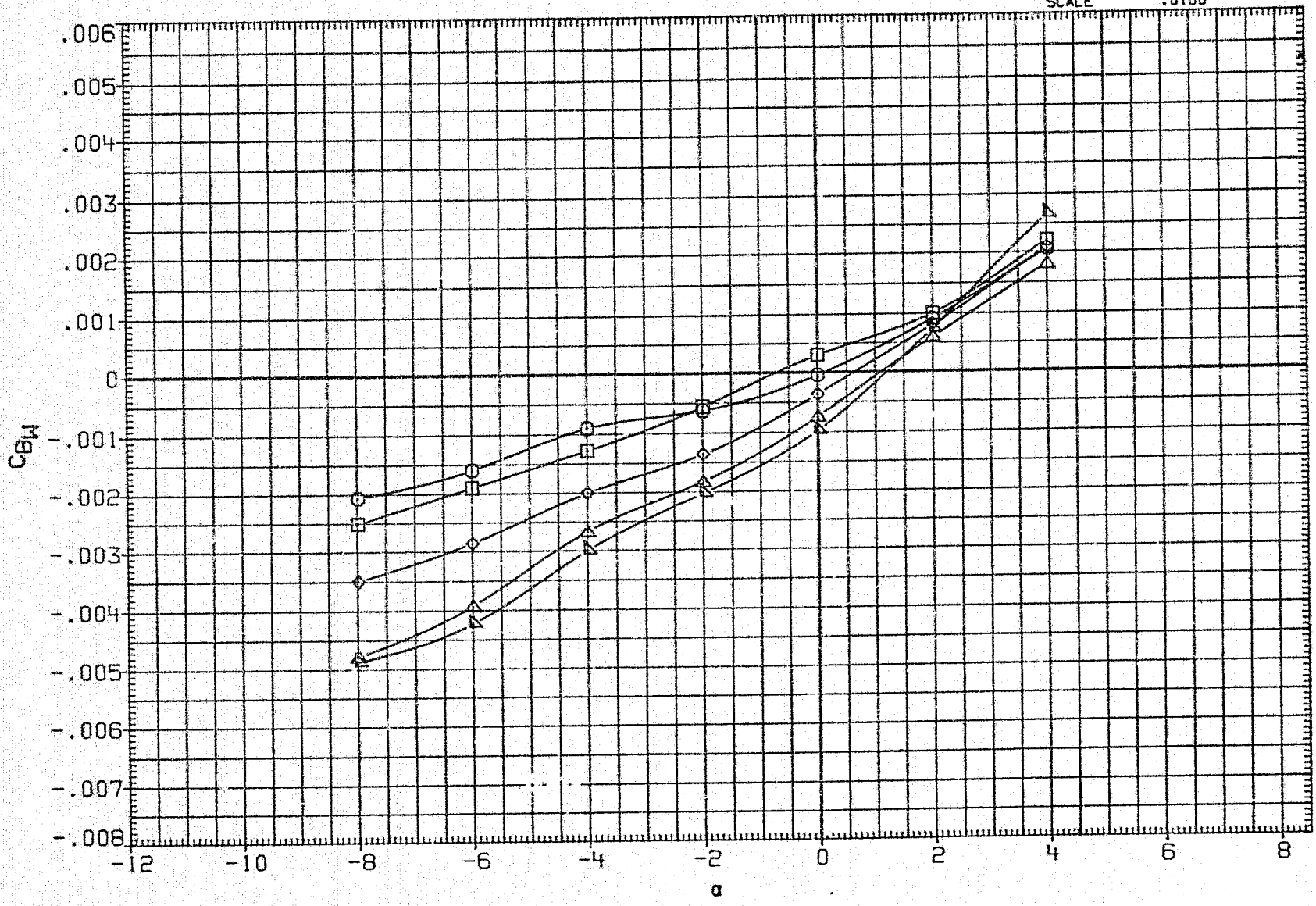


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	.000	.000	.000
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	.000	.000	.000
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	.000	.000	.000
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	.000	.000	.000
MJWA30	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	*

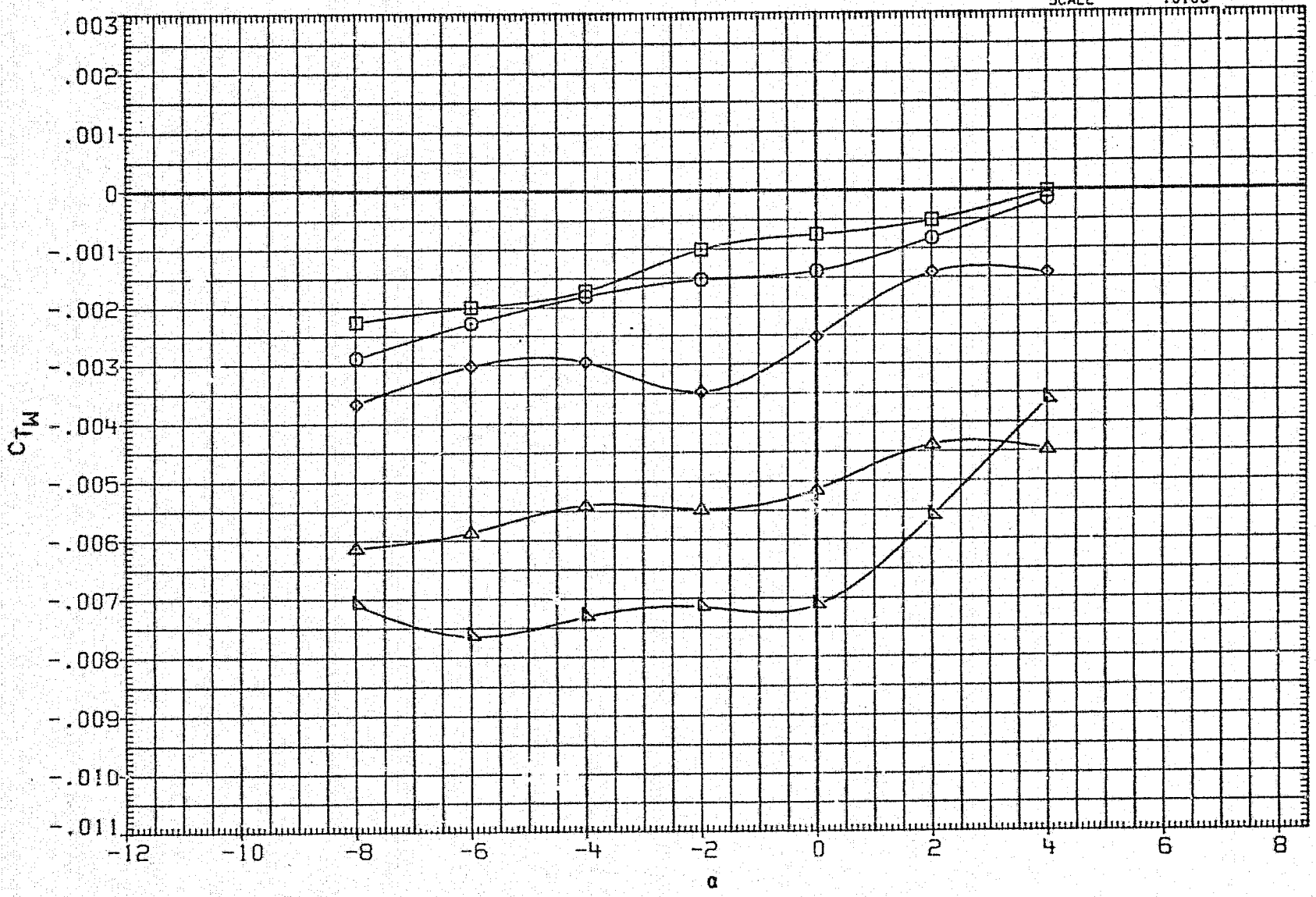


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA30	⊿	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

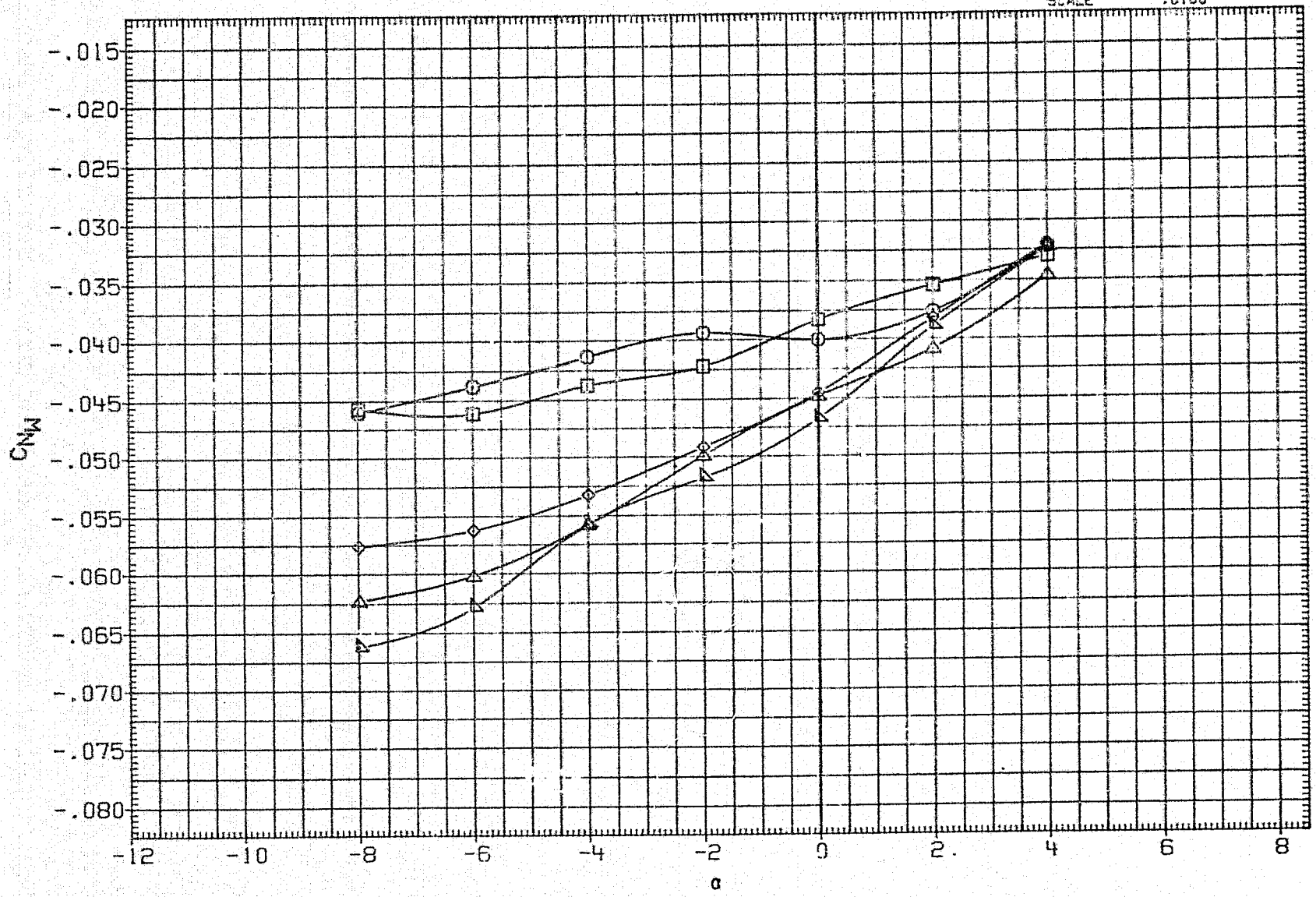


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA26	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	.000	.000	.000
MJWA27	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	.000	.000	.000
MJWA28	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	.000	.000	.000
MJWA29	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	.000	.000	.000
MJWA30	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

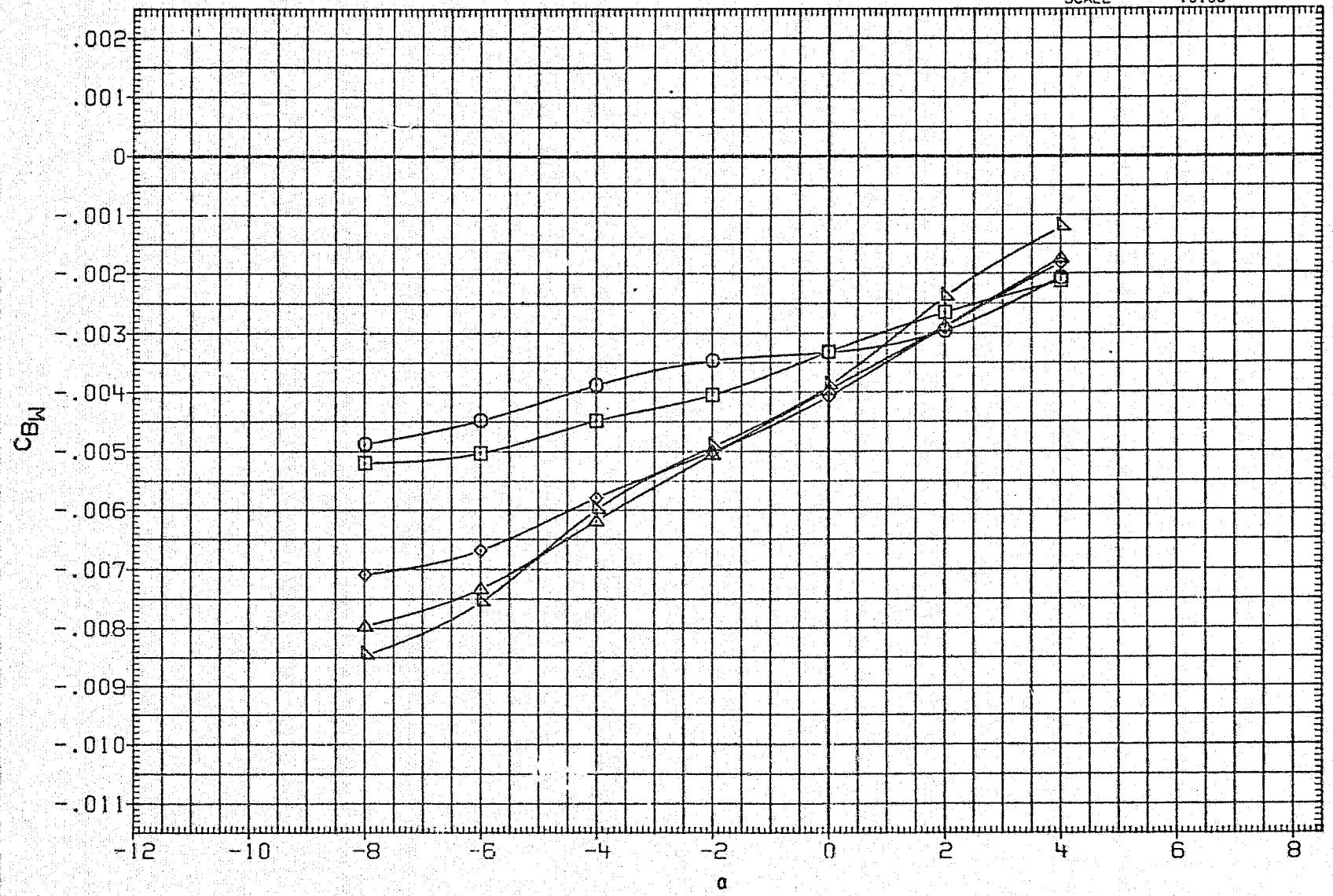


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA26	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	.000	.000	.000
MJWA27	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	.000	.000	.000
MJWA28	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	.000	.000	.000
MJWA29	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	.000	.000	.000
MJWA30	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

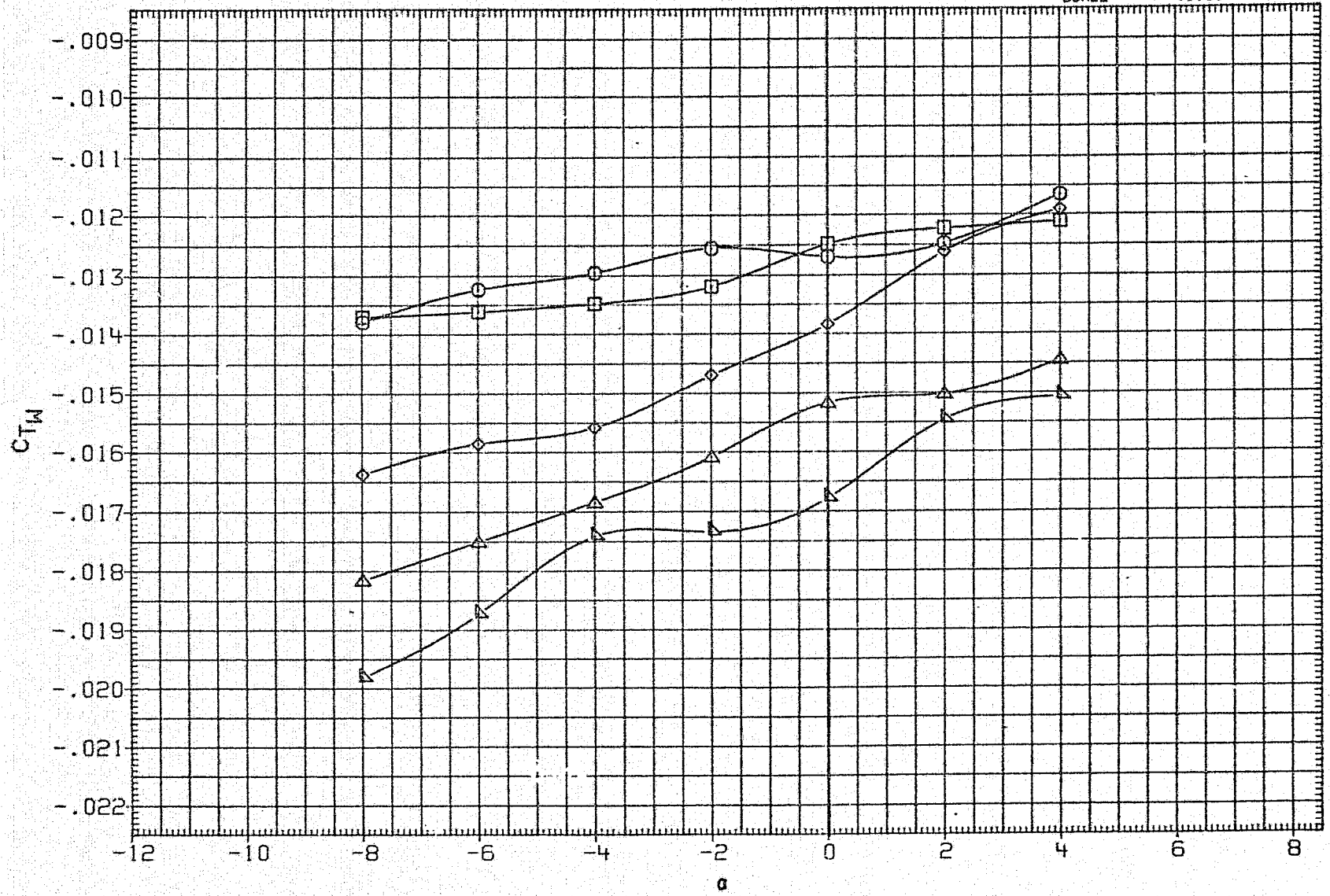


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA33	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA35	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA36	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

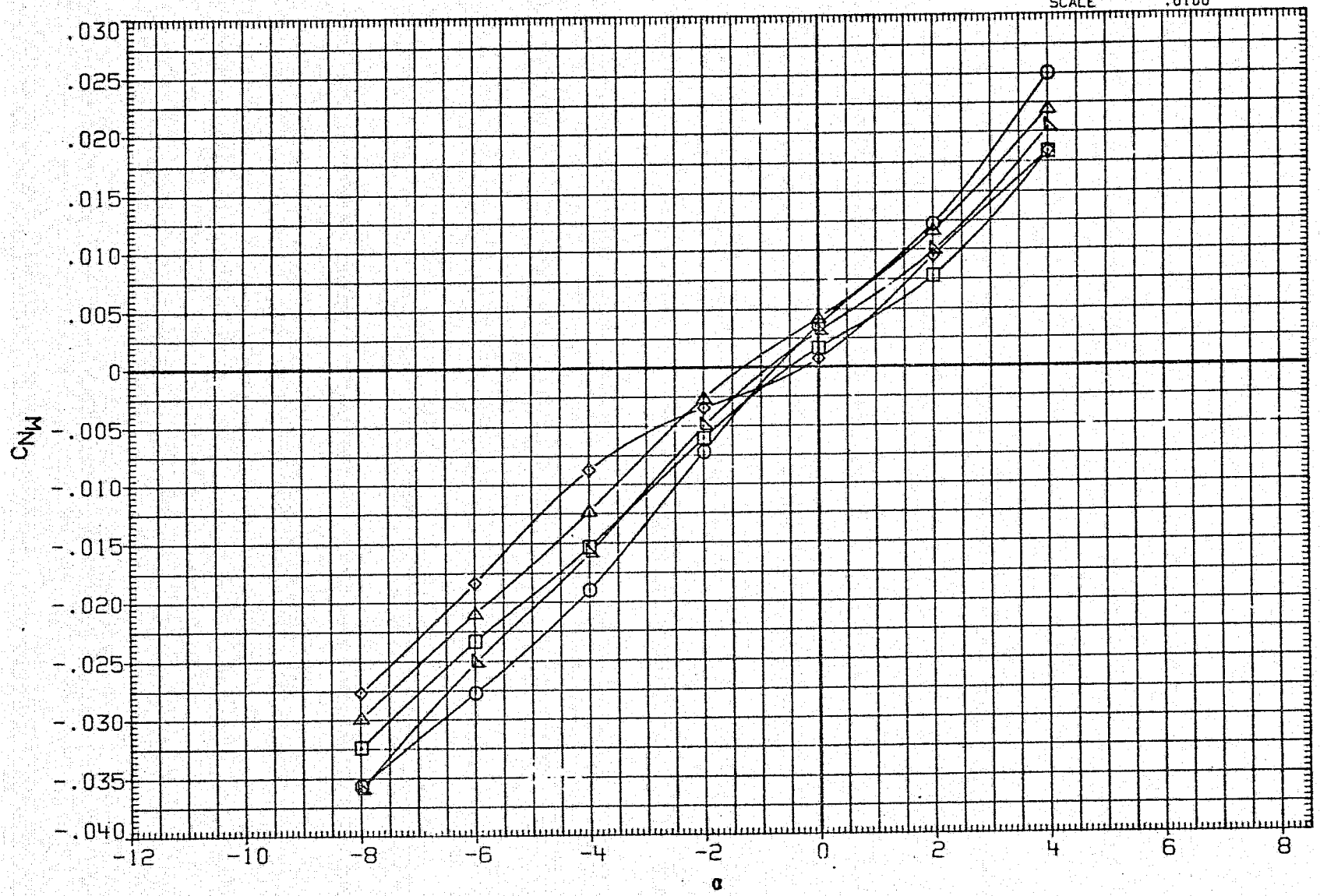


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	◁	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	△	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

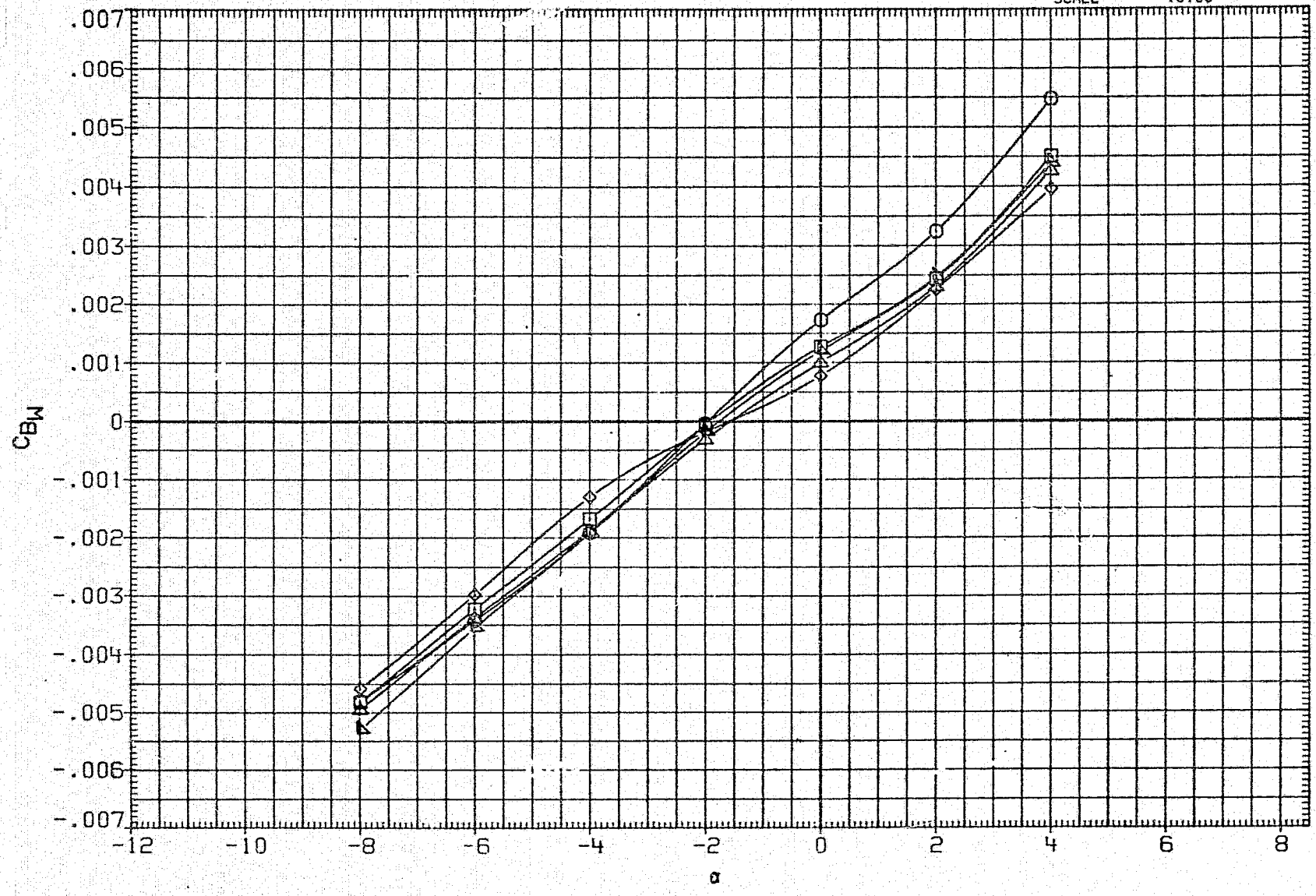


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

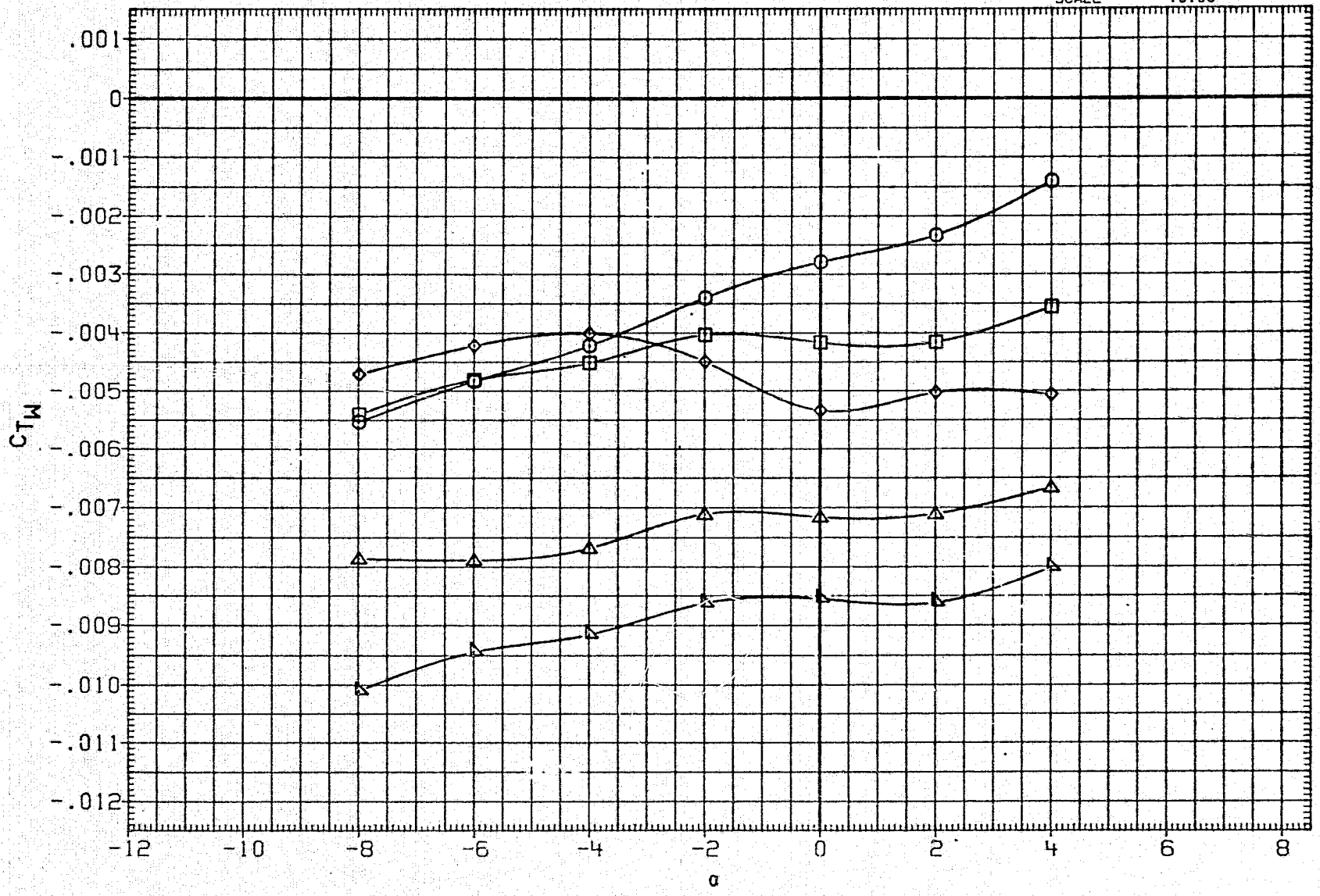


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

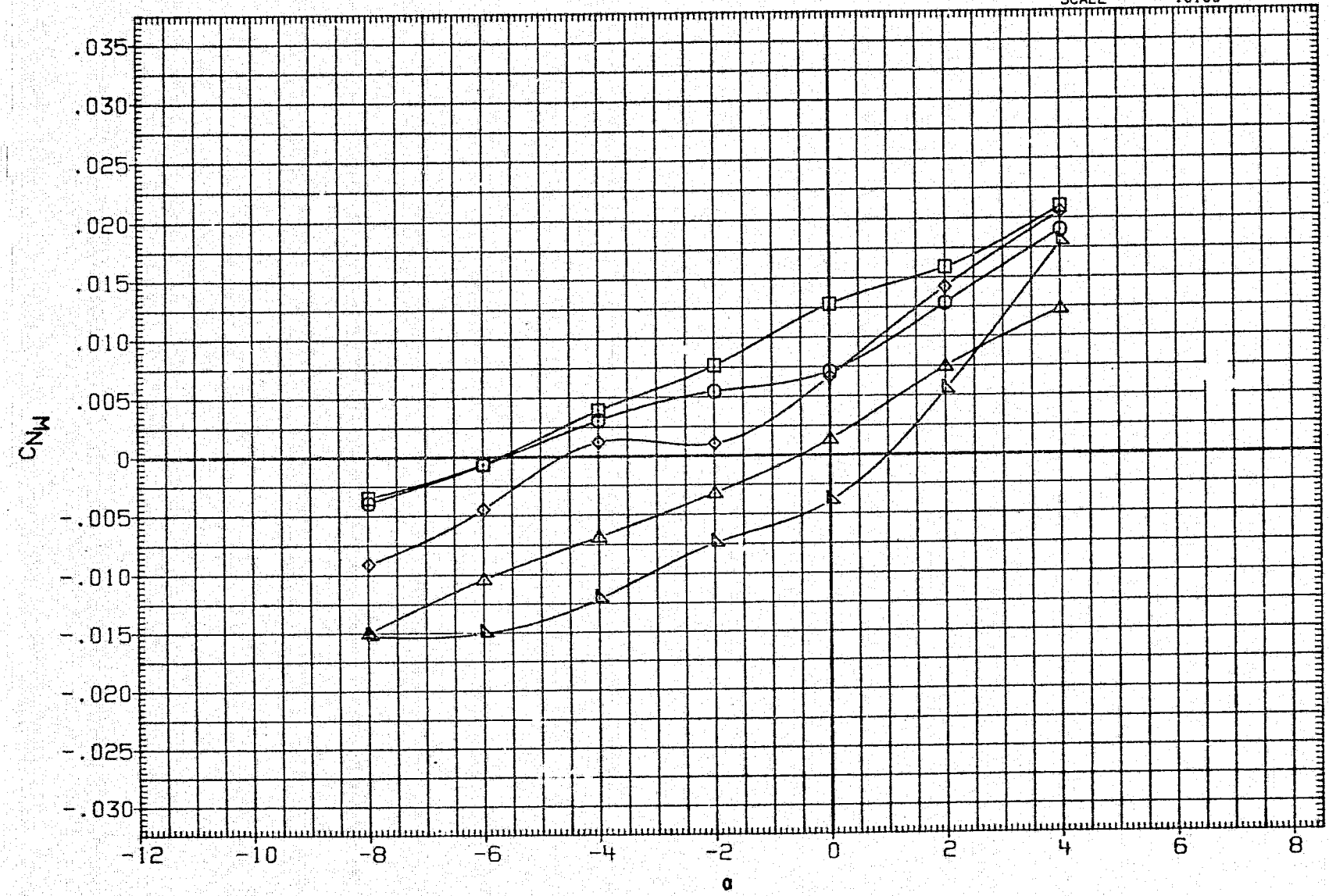


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

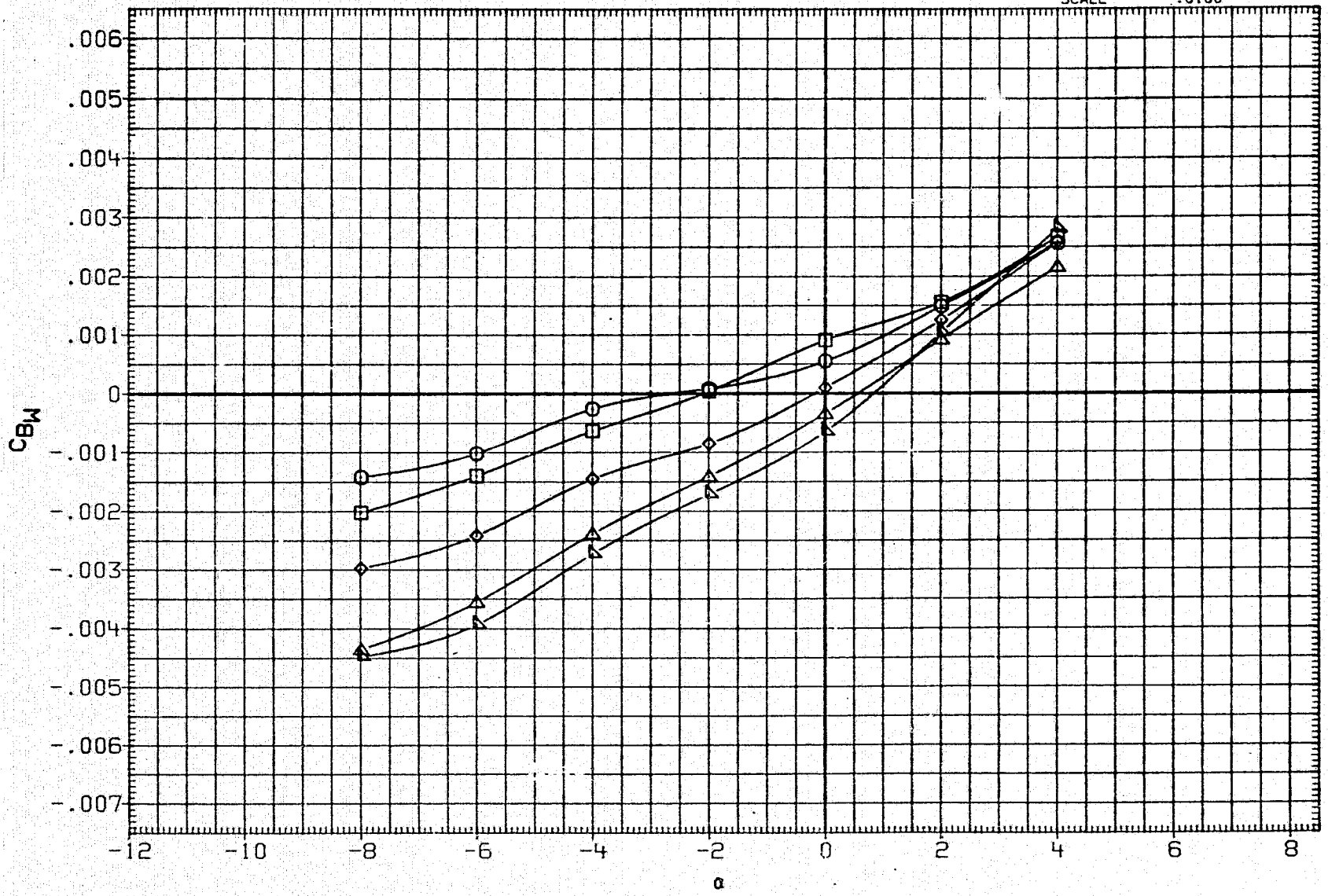


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

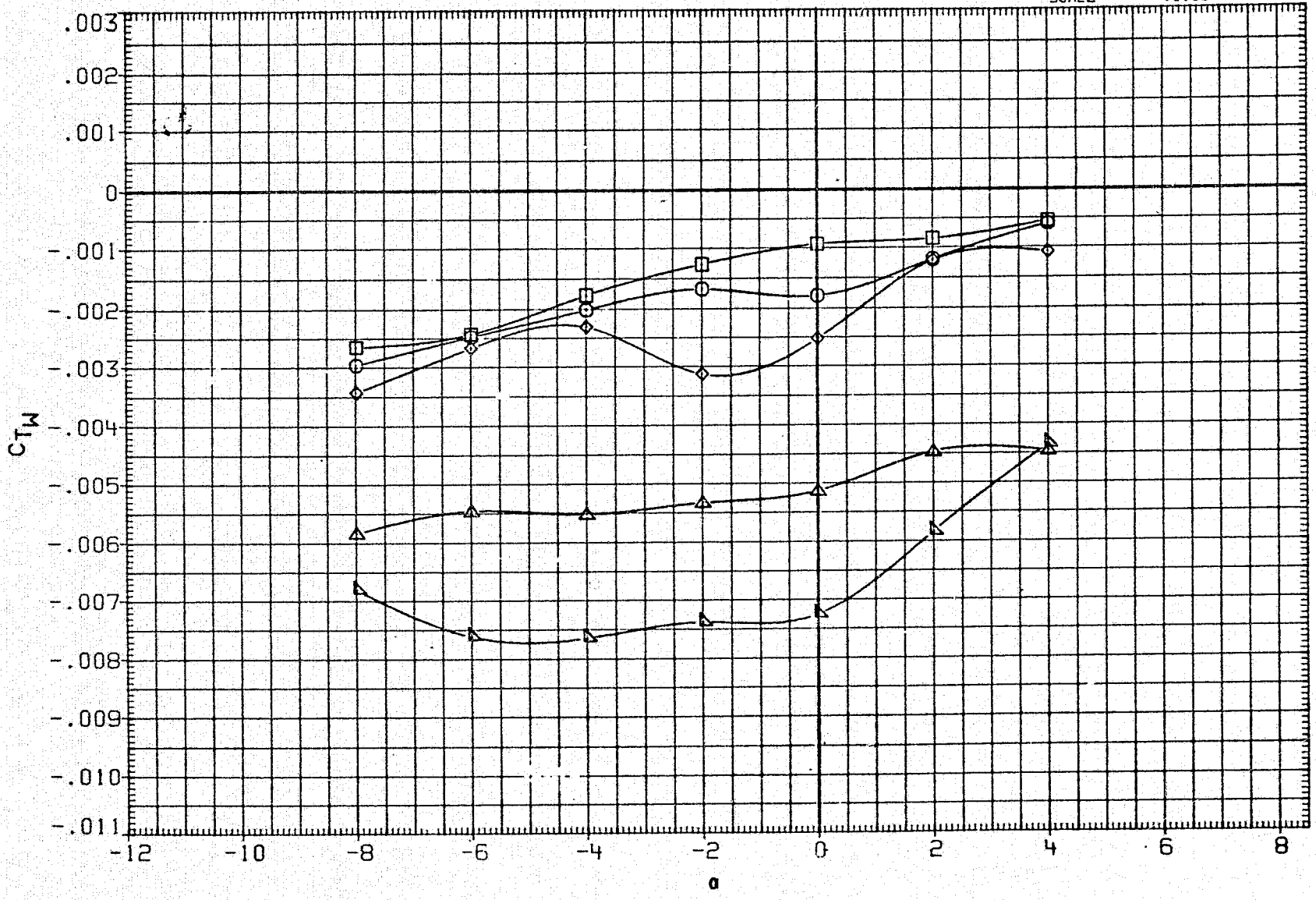


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

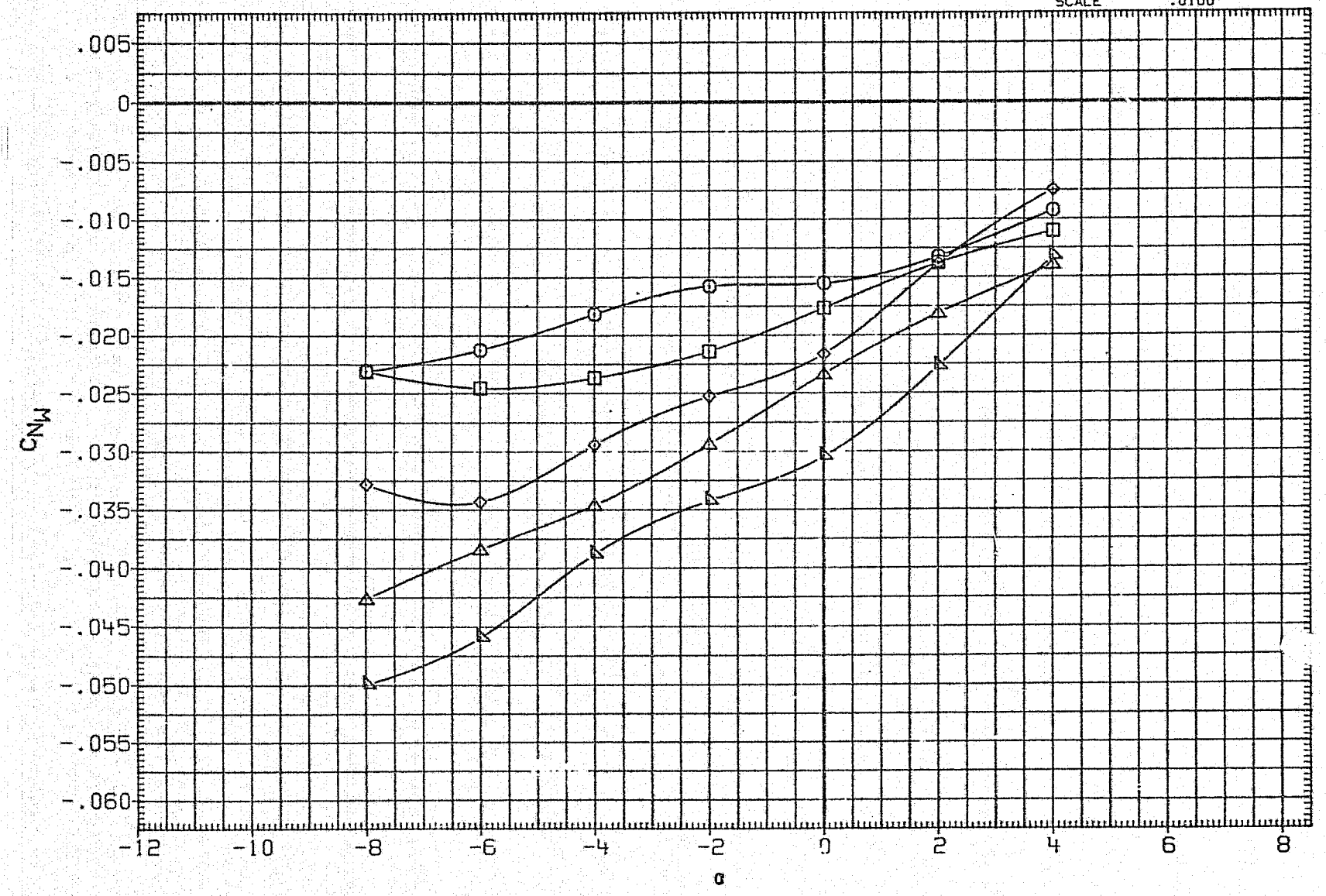


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

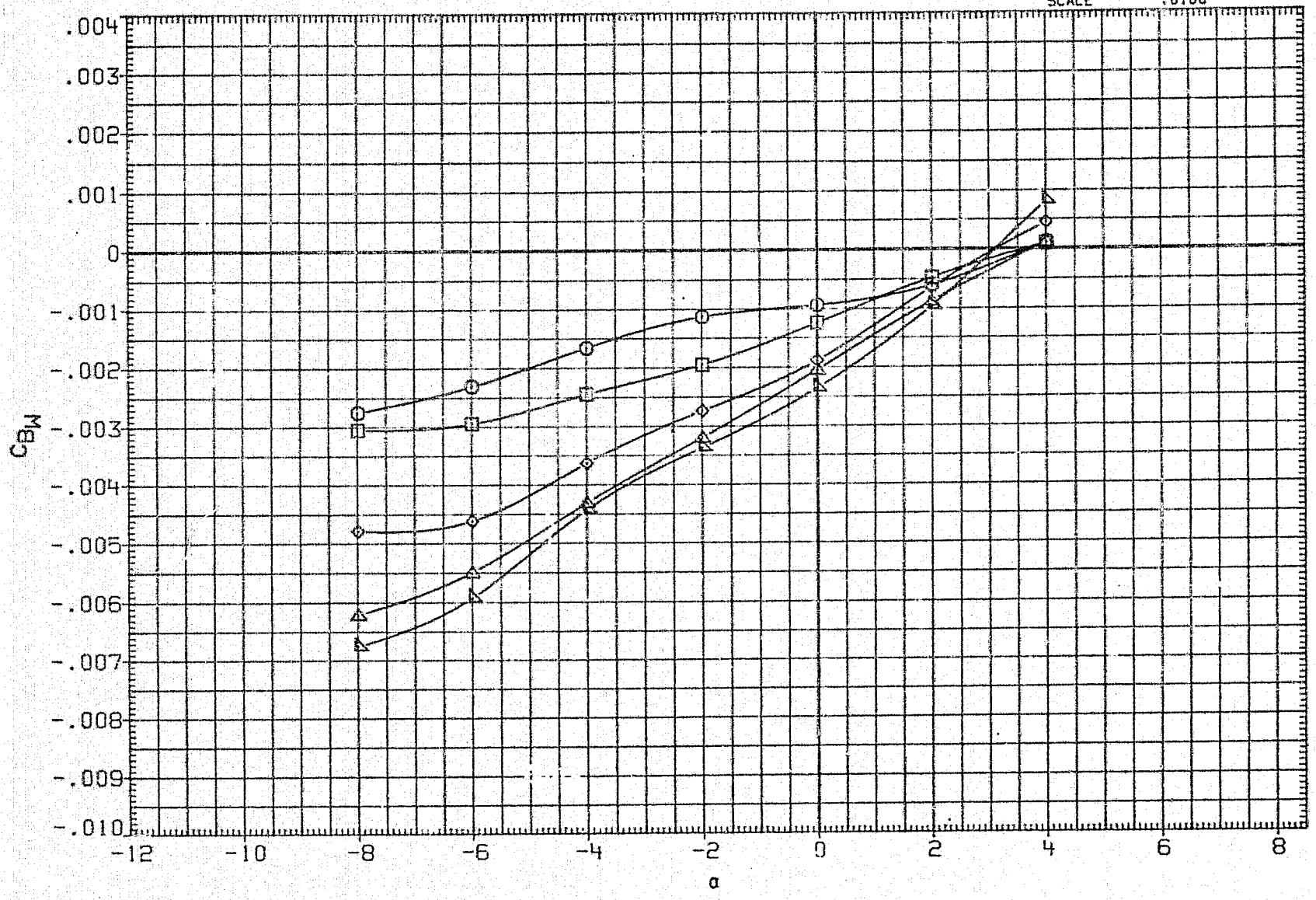


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA32	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWA33	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWA34	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWA35	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWA36	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

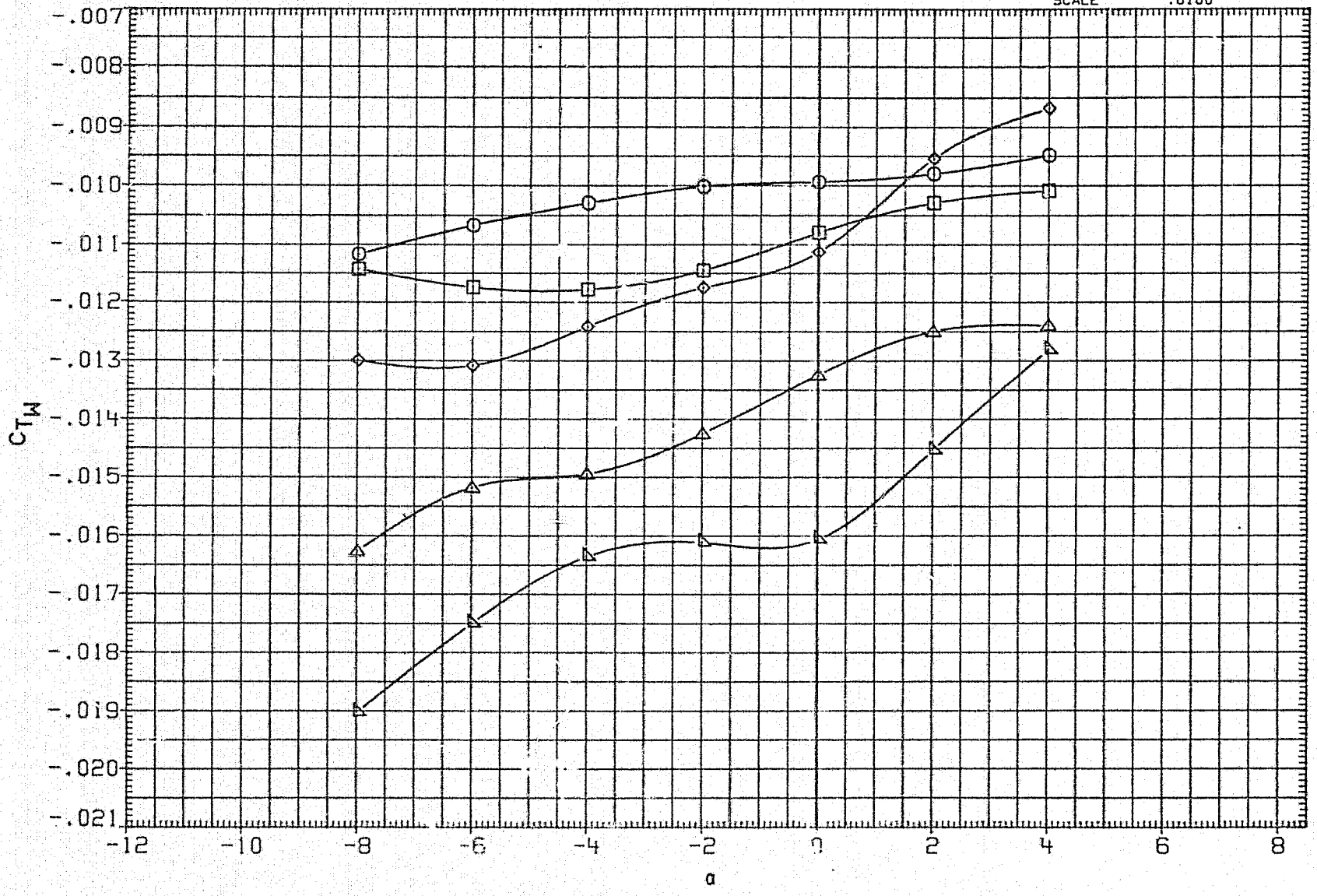


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

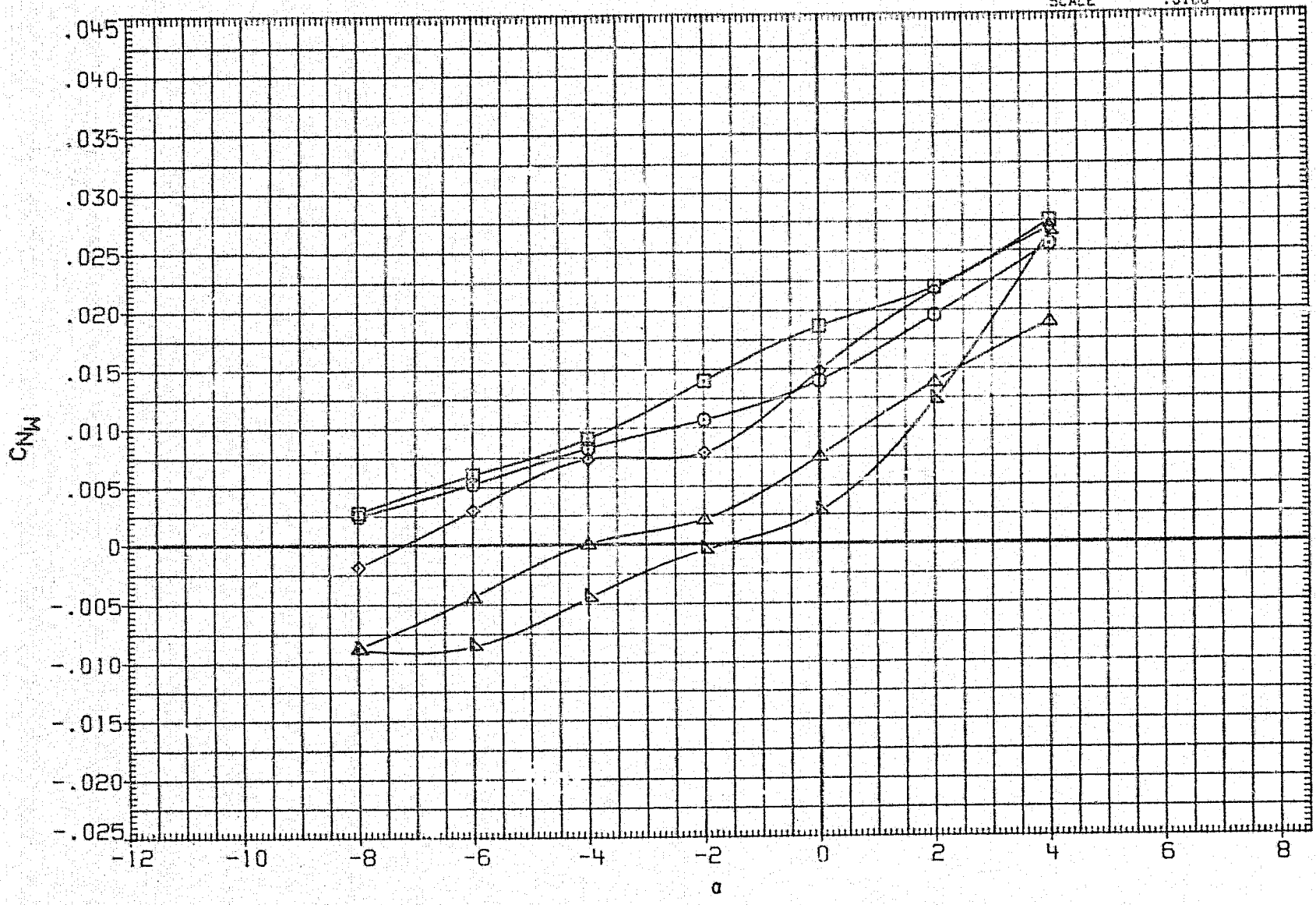


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

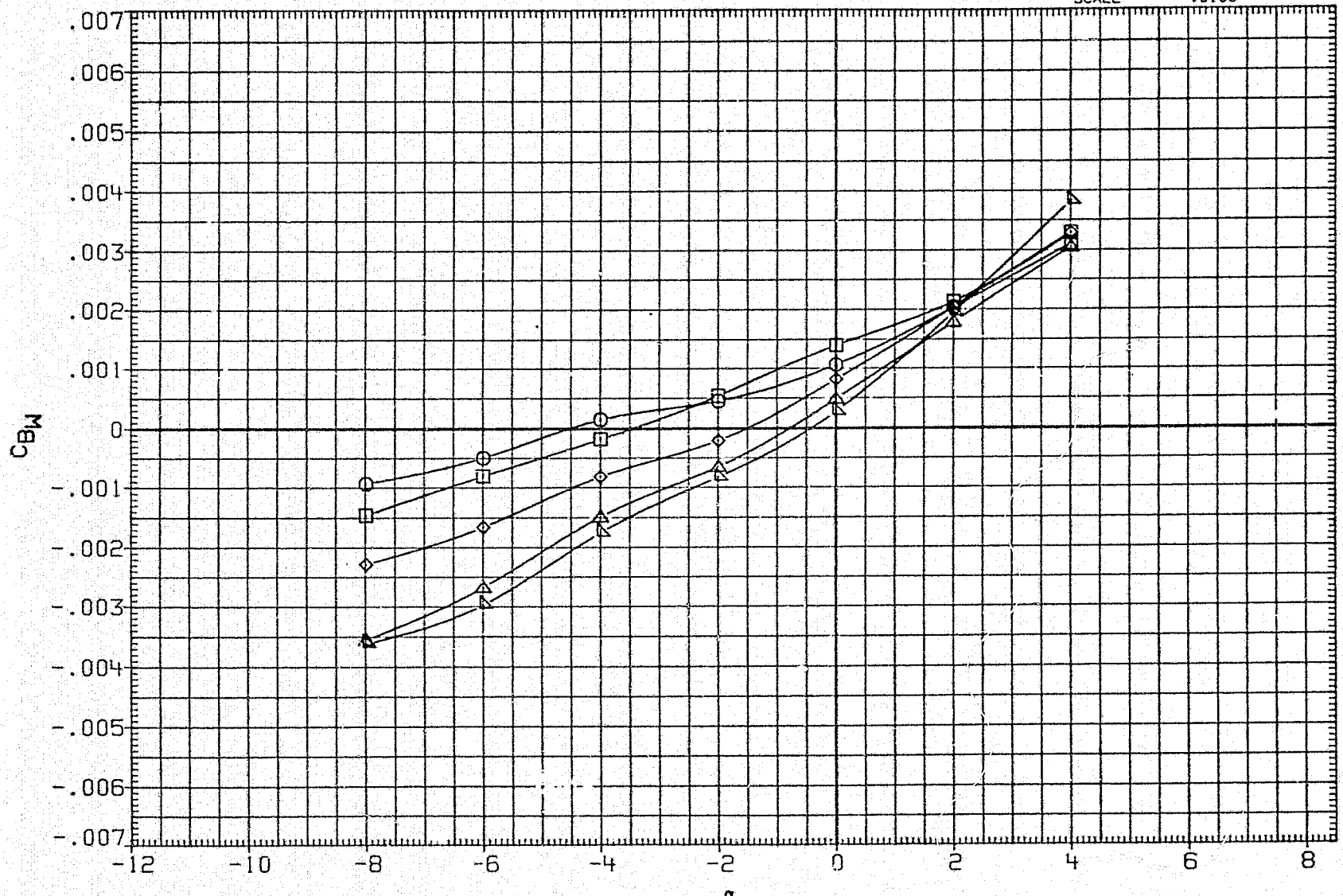


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

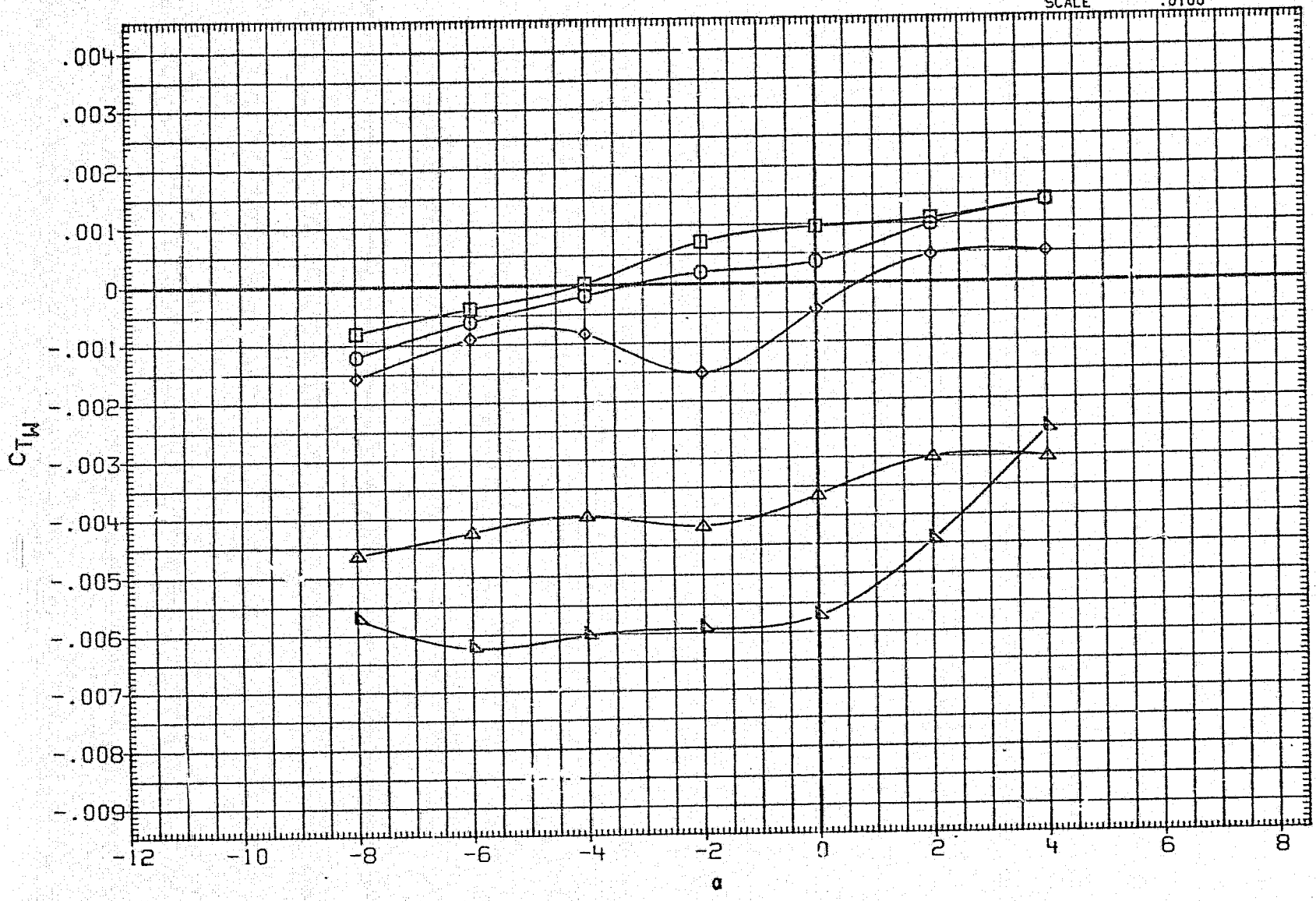


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

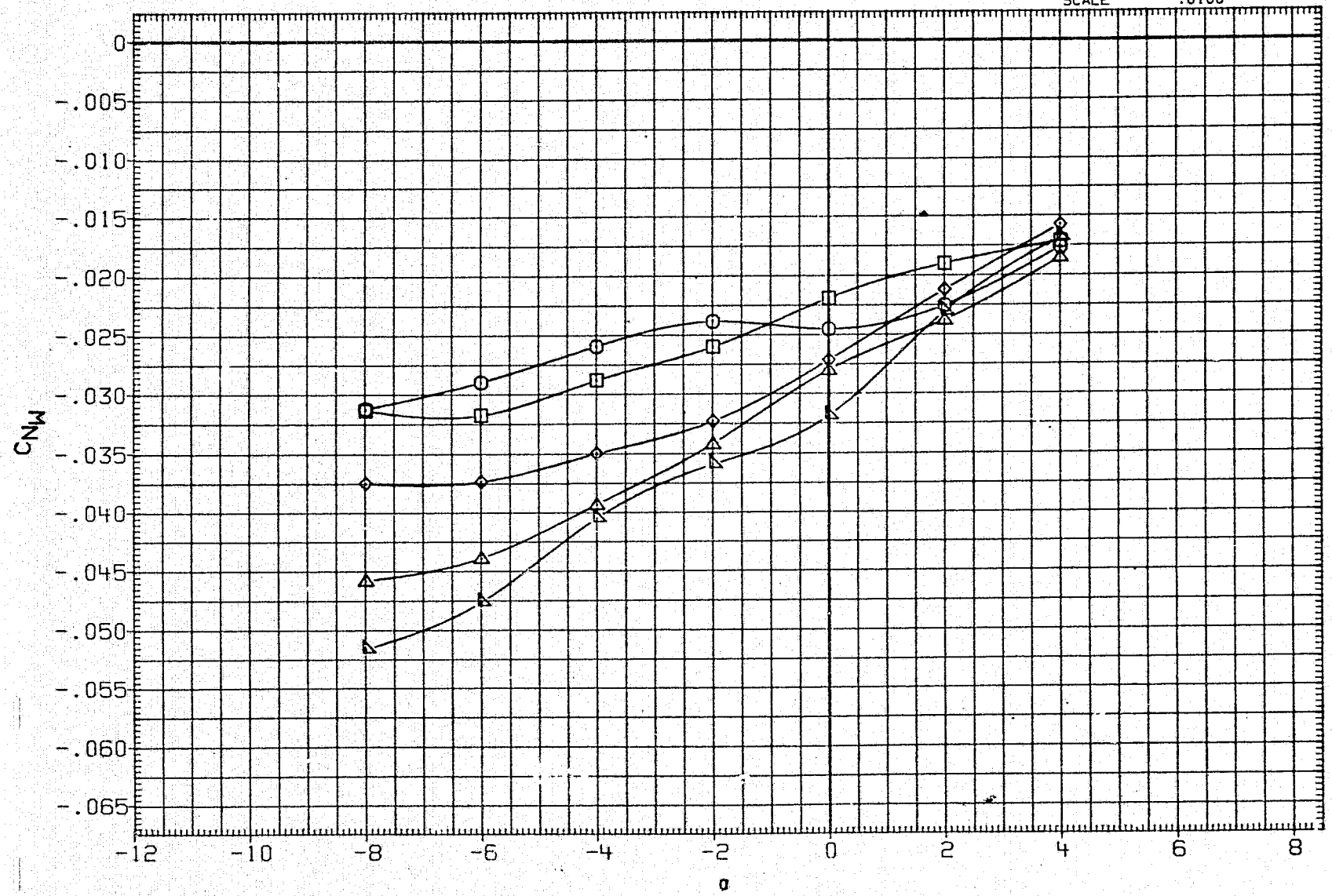


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B) MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

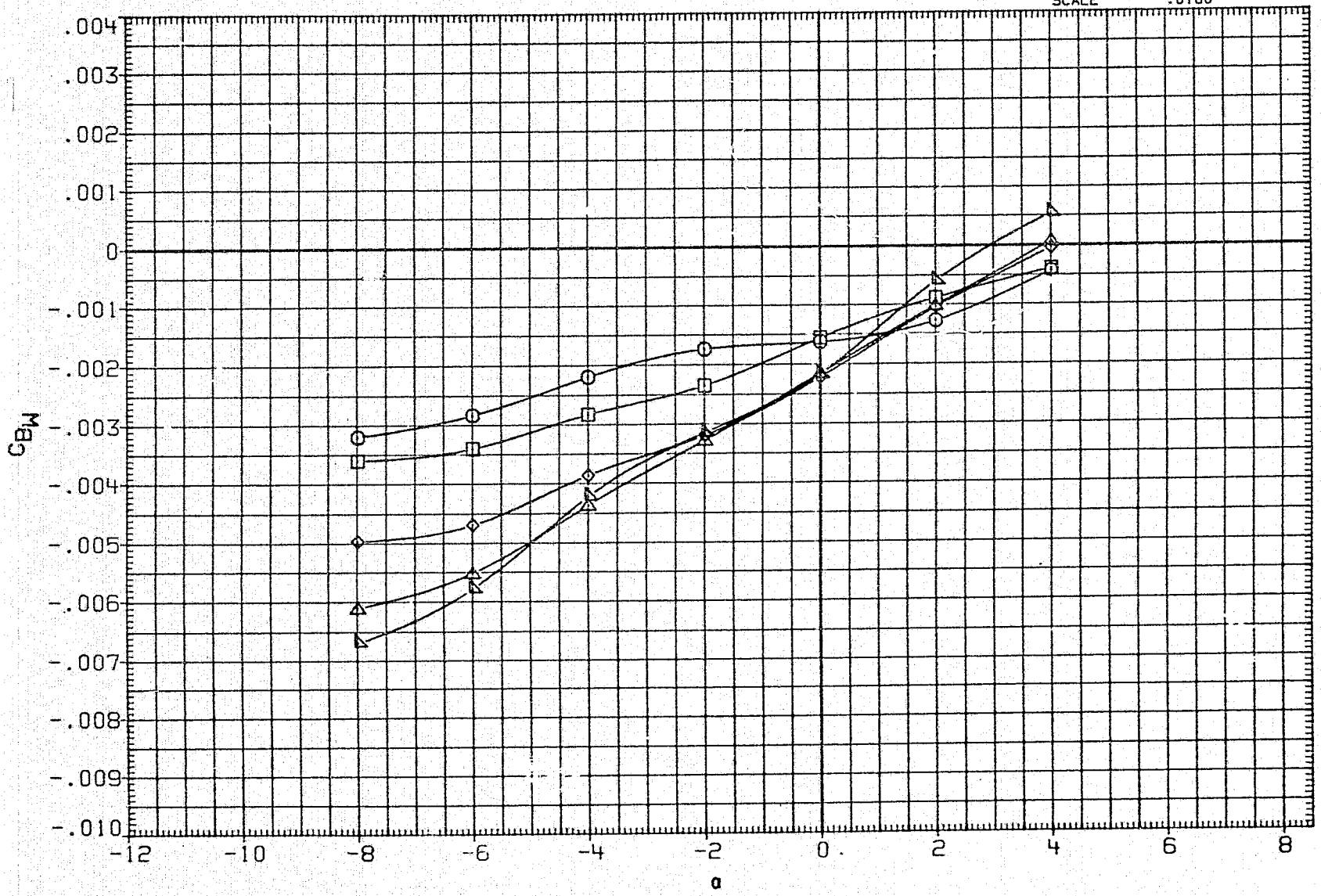


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

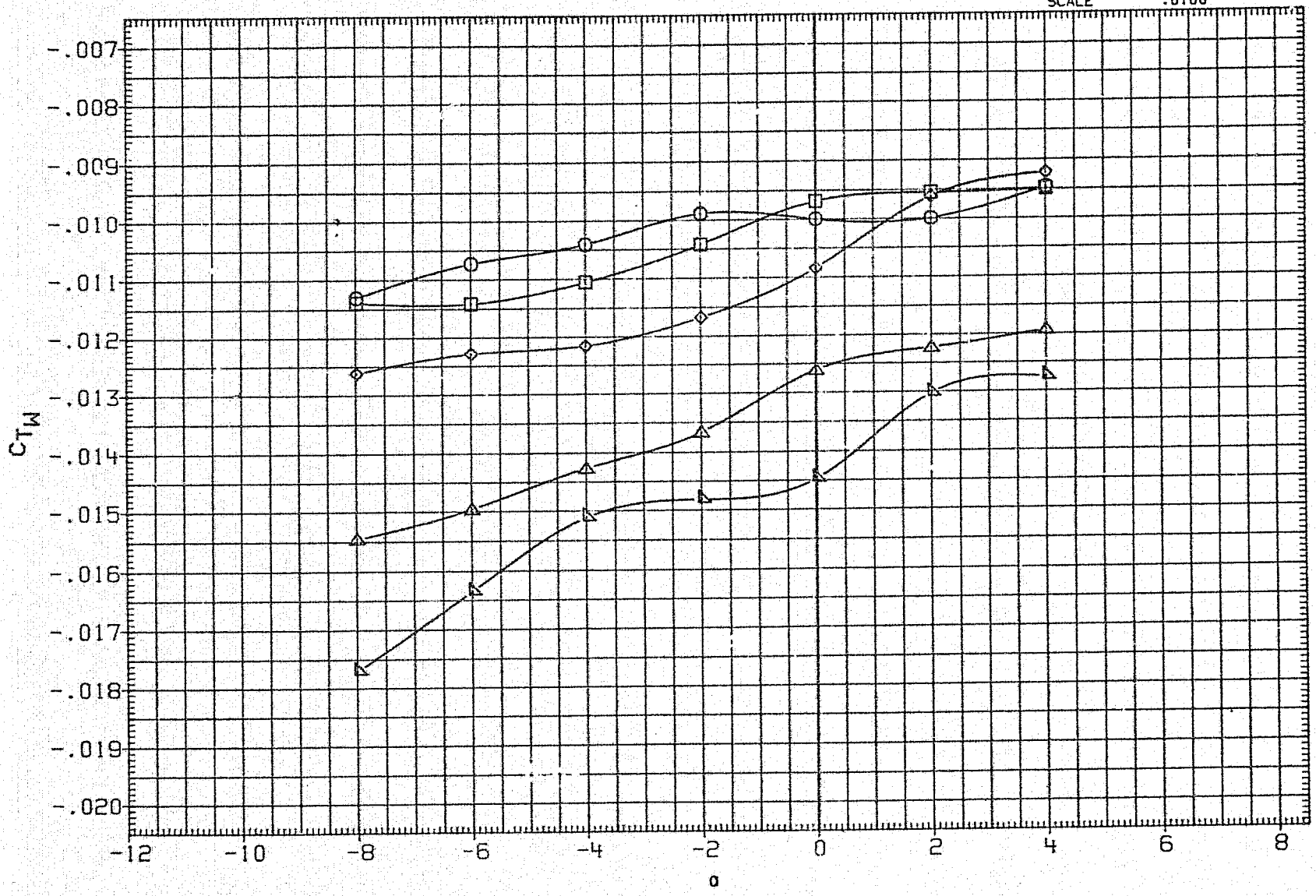


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA42	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	.000	2.000	.000	2.000
MJWA43	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	.000	2.000	.000	2.000
MJWA44	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	.000	2.000	.000	2.000
MJWA45	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	.000	2.000	.000	2.000
MJWA46	▷	LARC UPWT 1177(1A94B) OTSAT130	6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

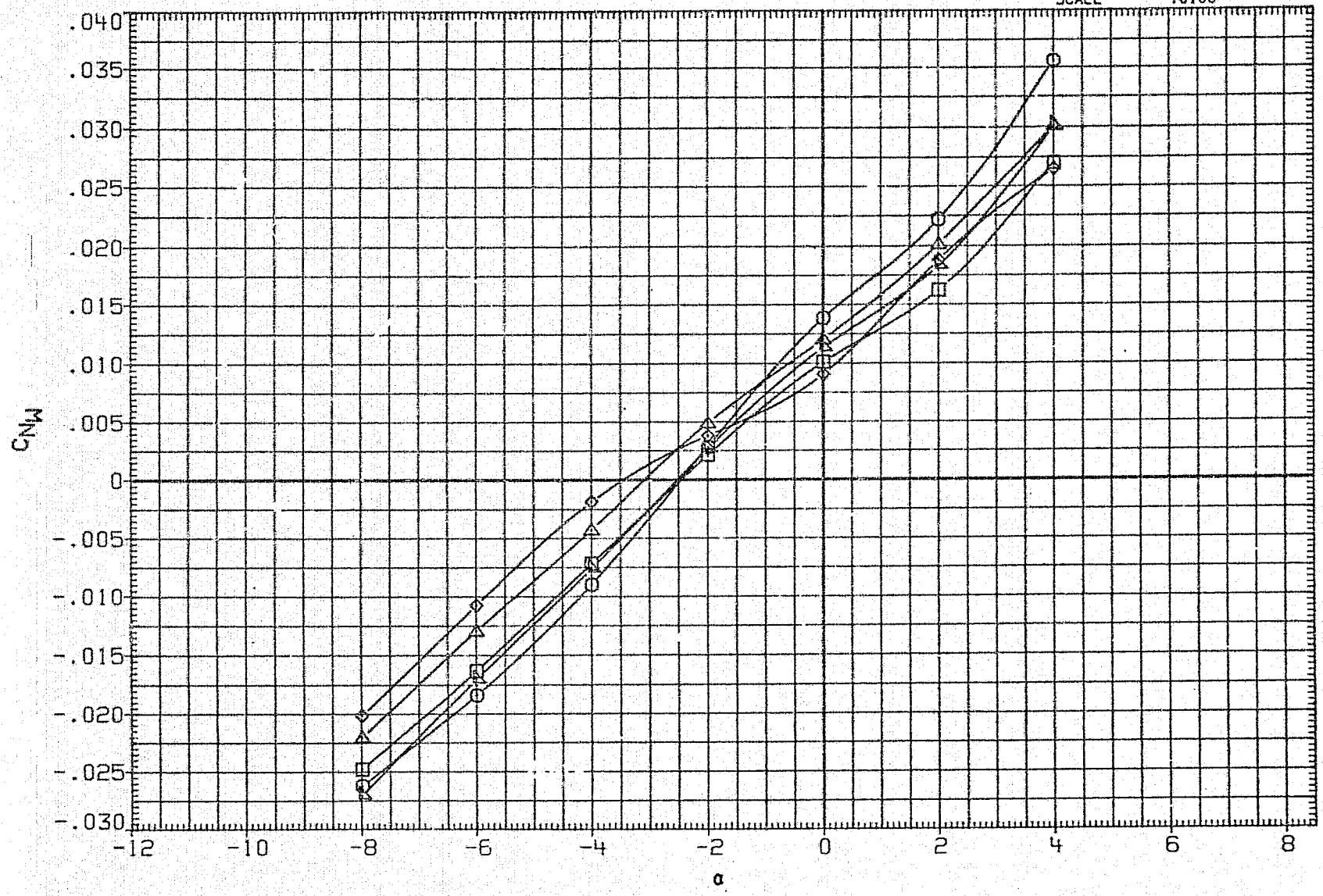


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA42	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA43	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA44	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA45	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA46	⊿	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

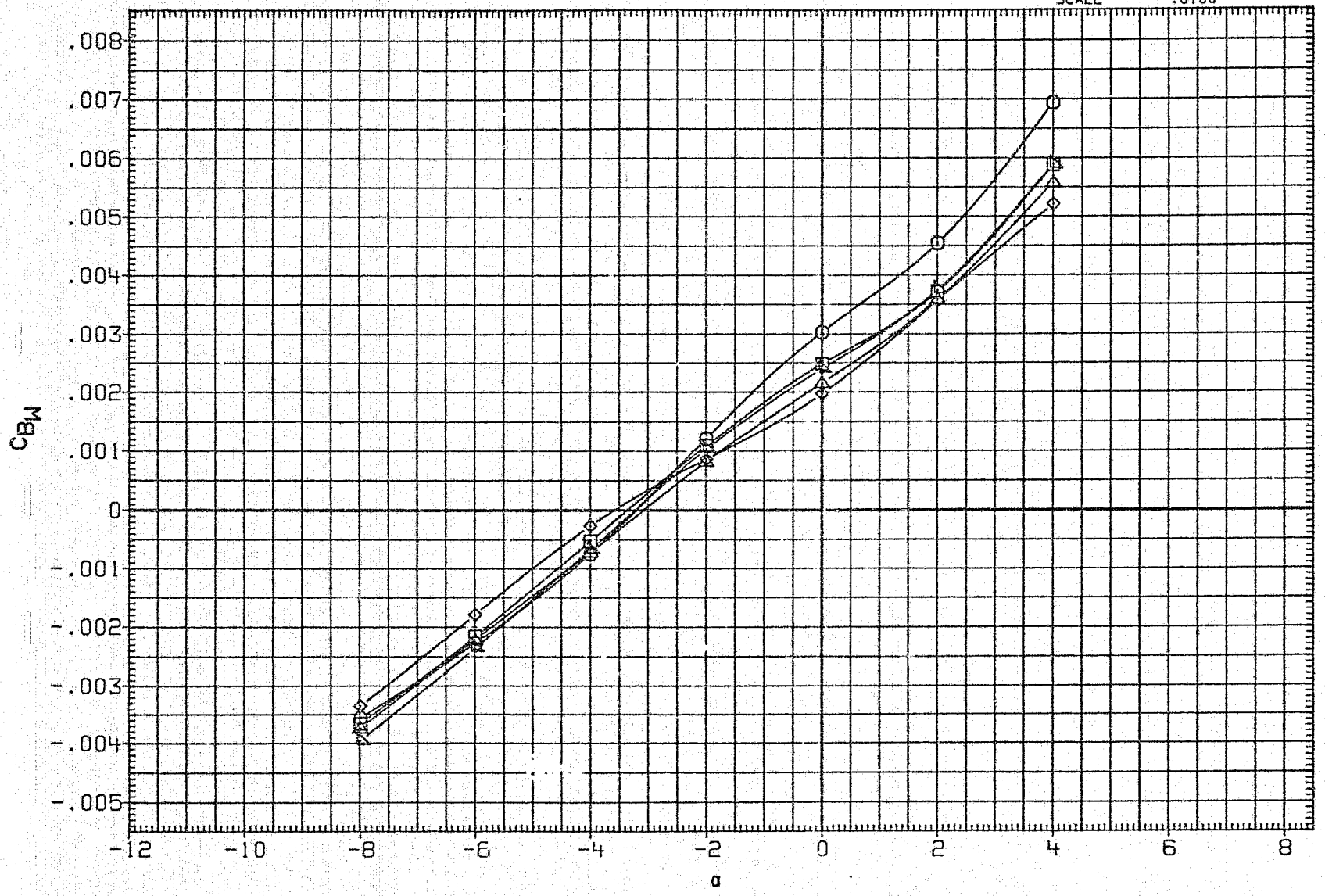


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA42	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA43	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA44	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA45	◁	LARC UPWT 1177(1A94B) OTSAT130
MJWA46	△	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

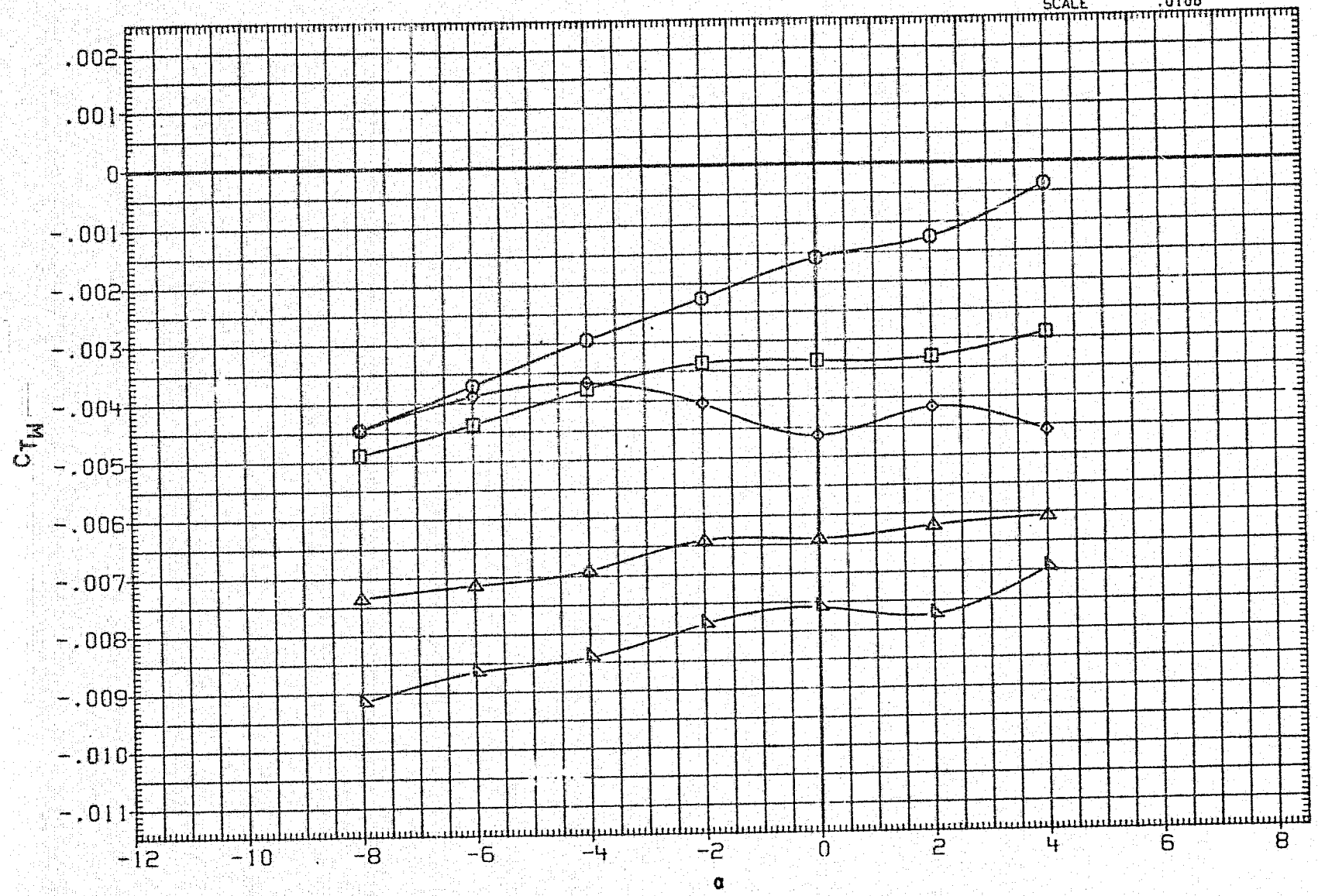


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA47	○	LARC UPWT 1177(1A948) OTSAT130
MJWA48	□	LARC UPWT 1177(1A948) OTSAT130
MJWA49	◇	LARC UPWT 1177(1A948) OTSAT130
MJWA50	△	LARC UPWT 1177(1A948) OTSAT130
MJWA51	▽	LARC UPWT 1177(1A948) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

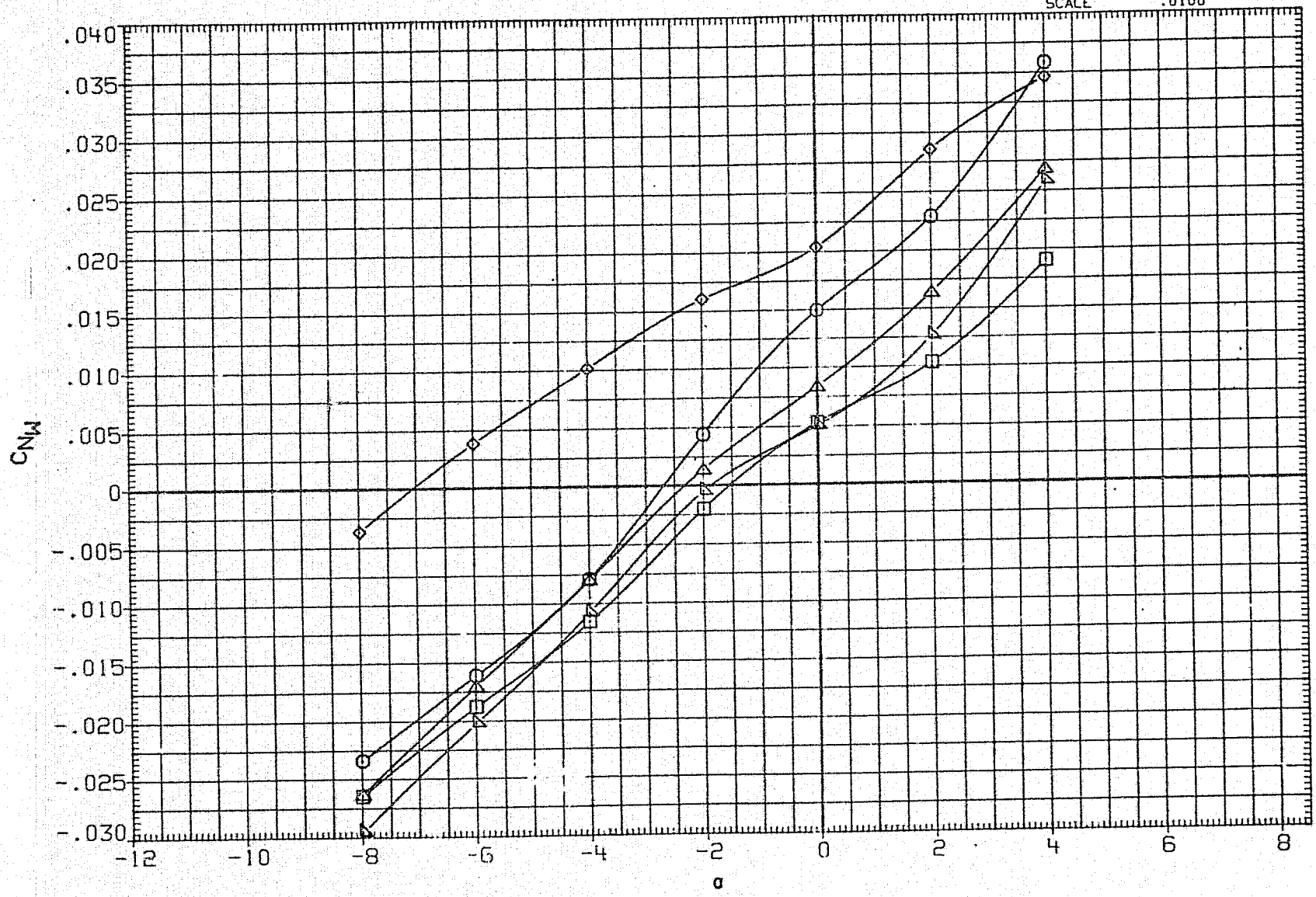


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA47	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA48	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA49	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA50	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA51	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

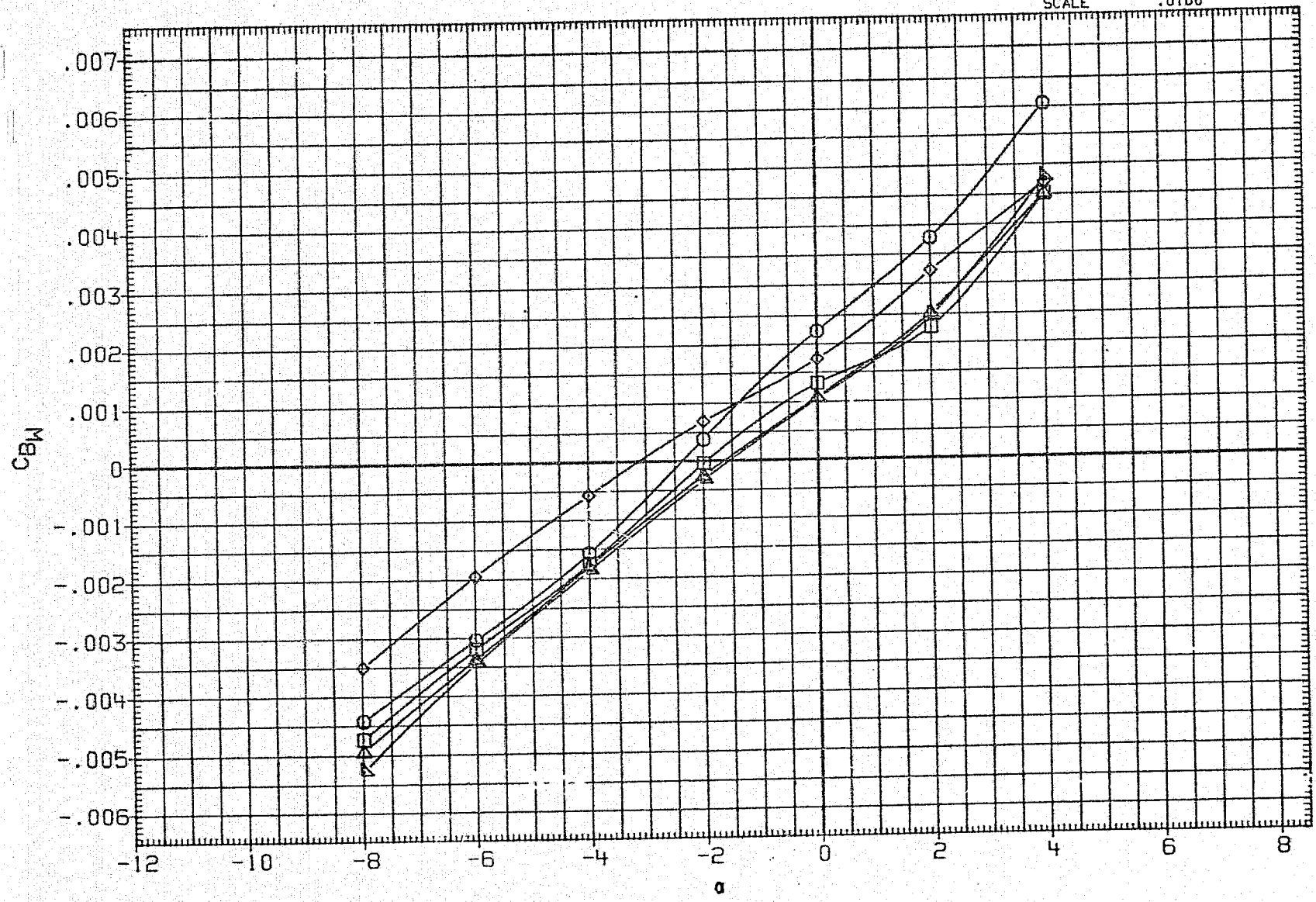


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA47	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-10.000	.000	-10.000
MJWA48	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-10.000	.000	-10.000
MJWA49	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-10.000	.000	-10.000
MJWA50	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-10.000	.000	-10.000
MJWA51	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

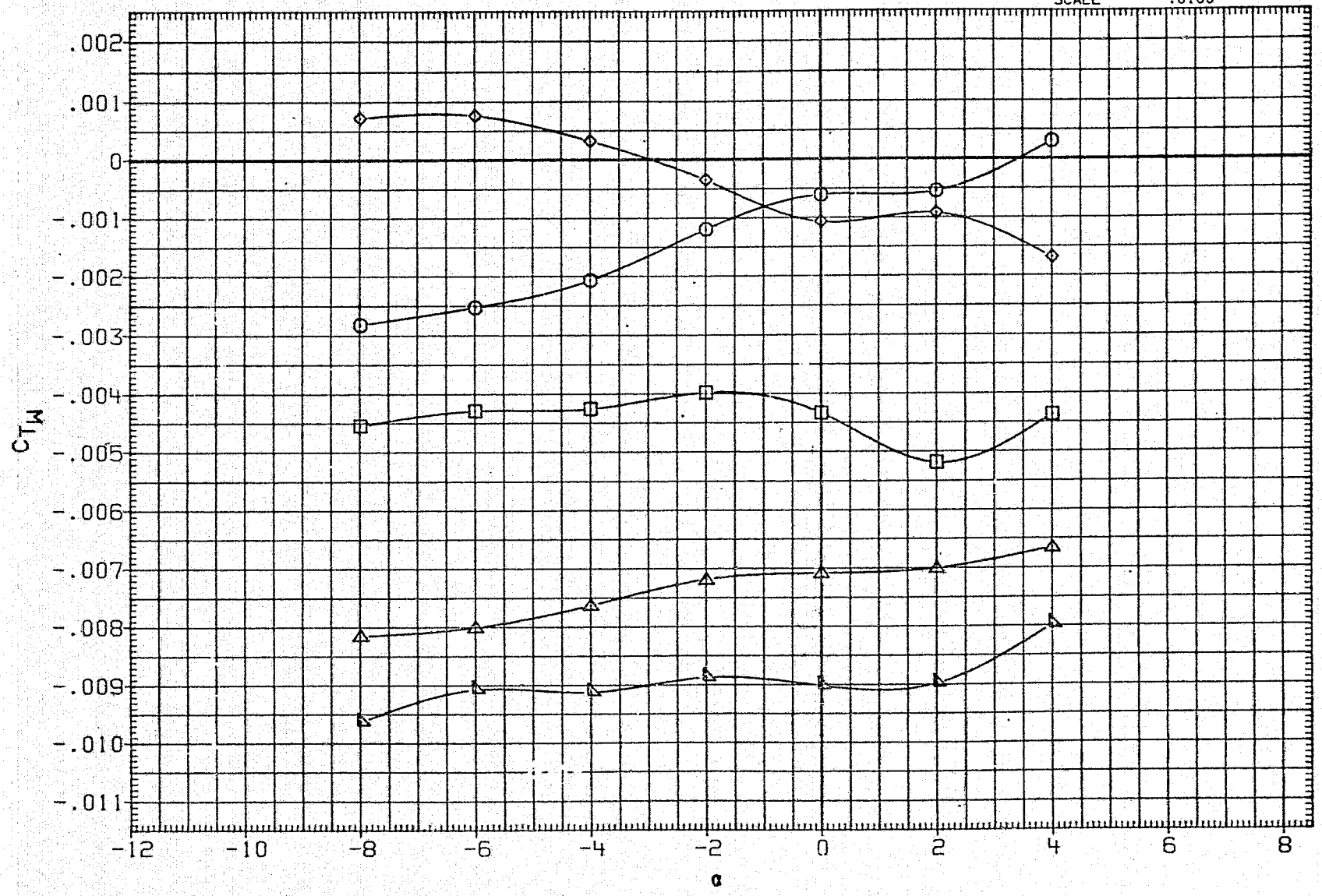


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA52	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA53	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA54	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA55	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA56	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

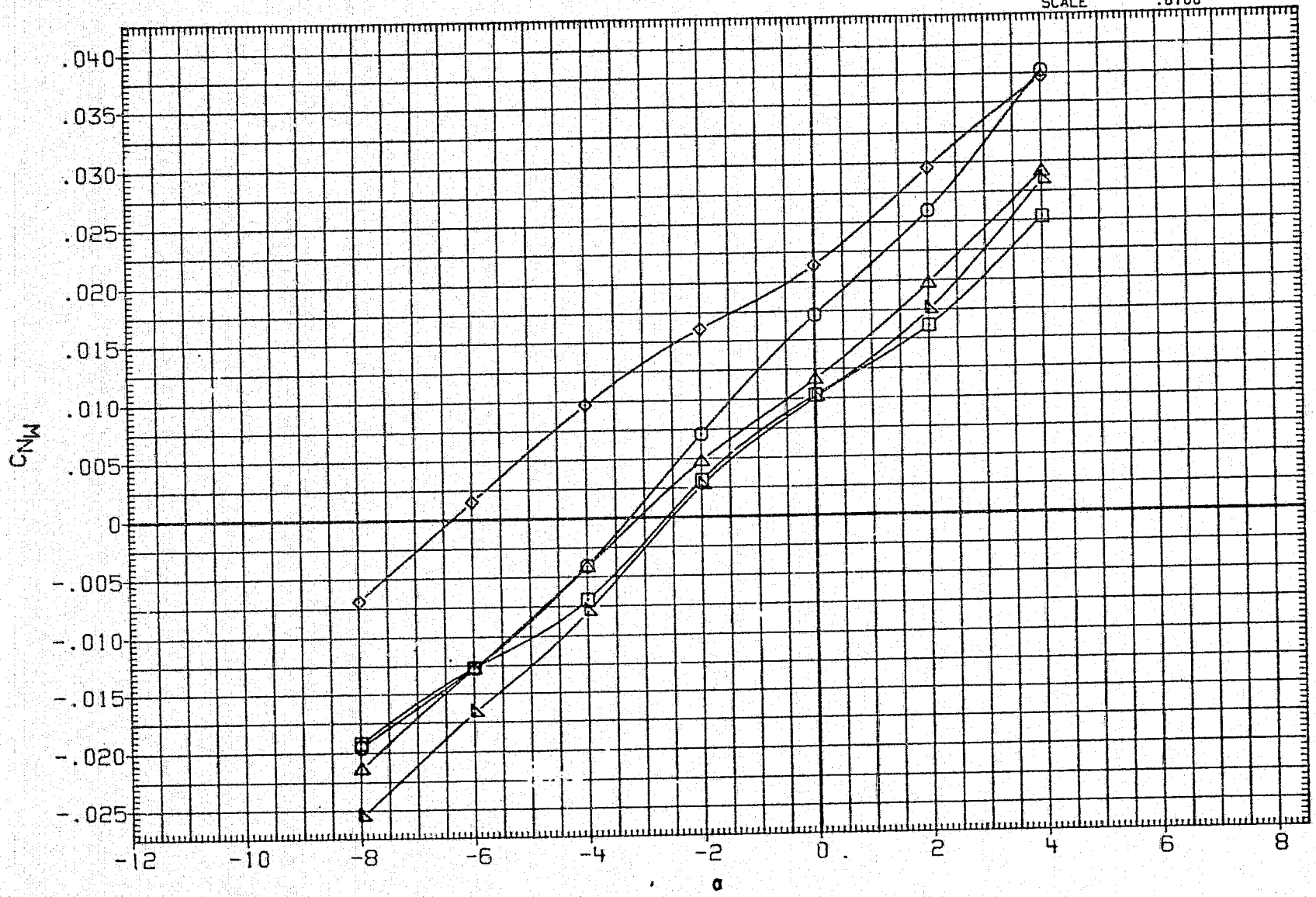


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA52	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA53	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA54	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA55	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA56	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

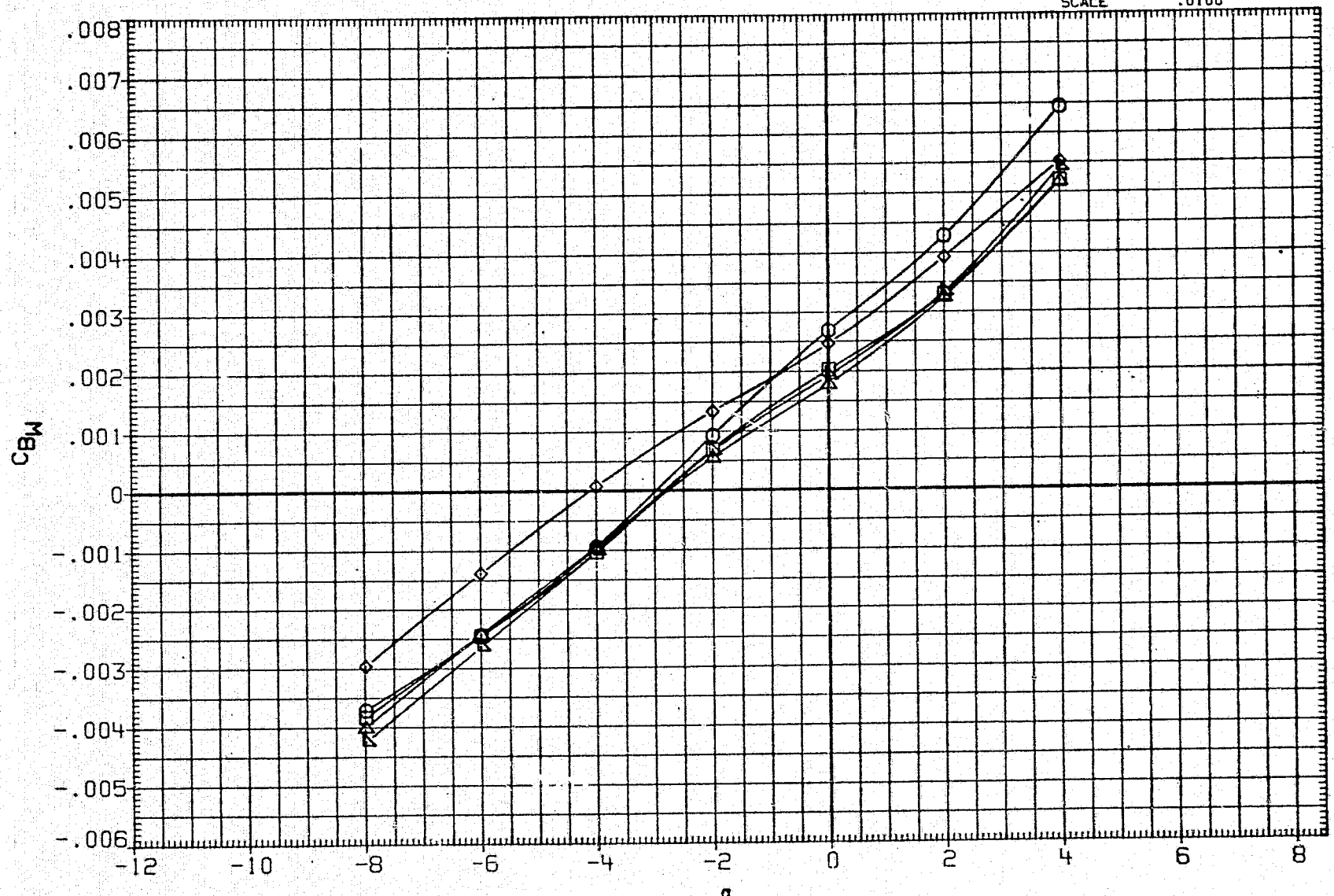


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA52	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA53	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA54	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA55	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA56	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

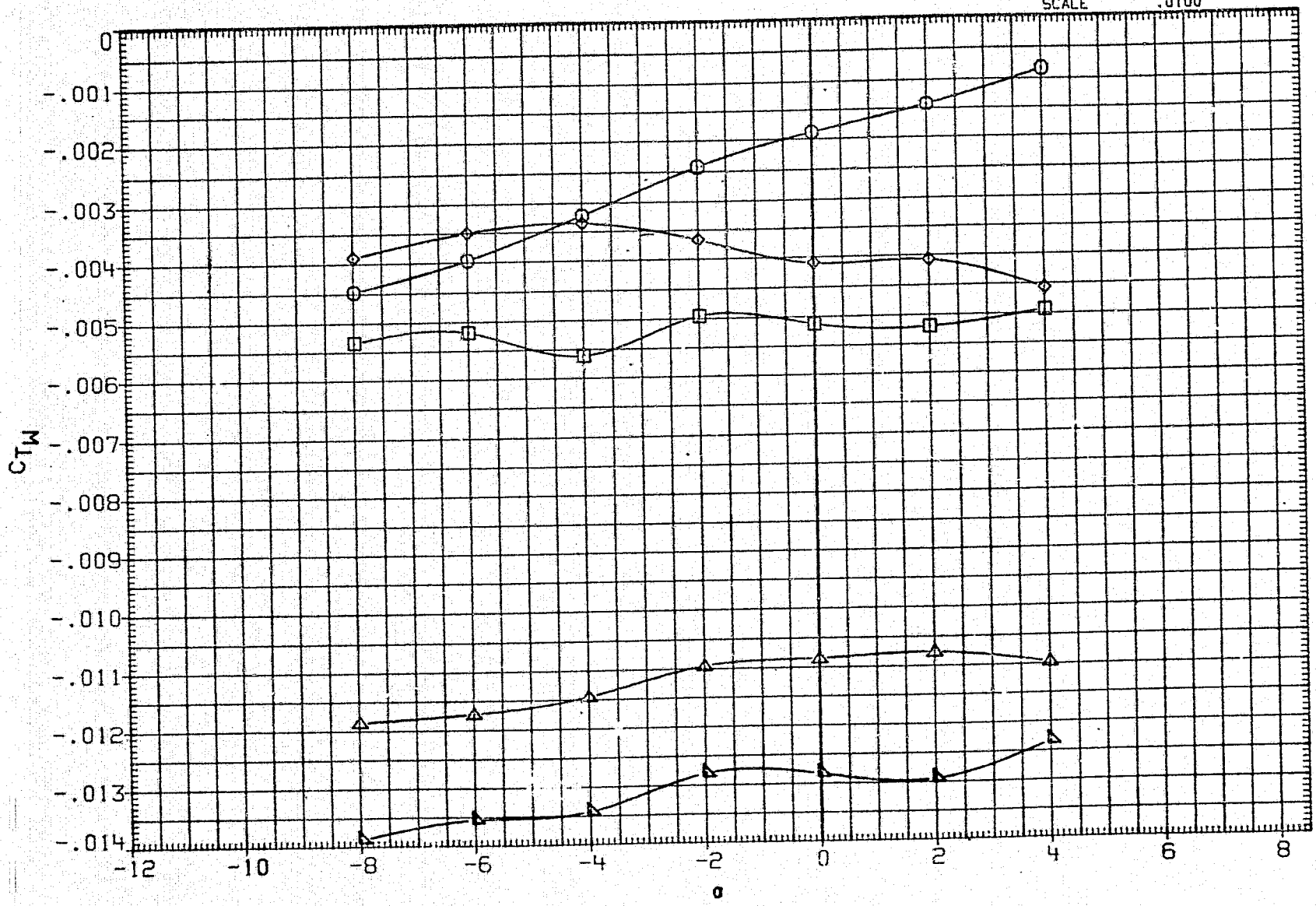


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA61	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

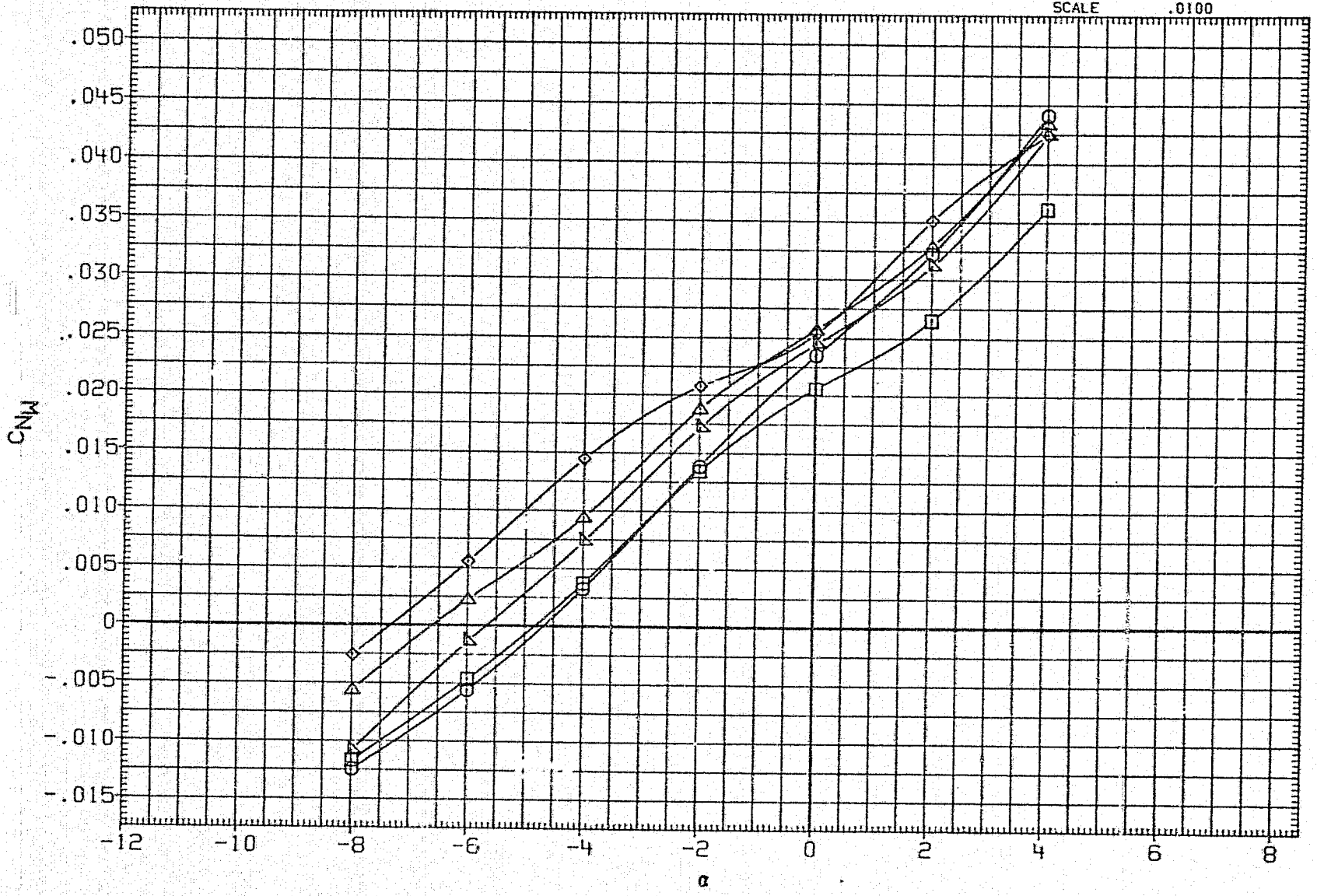


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

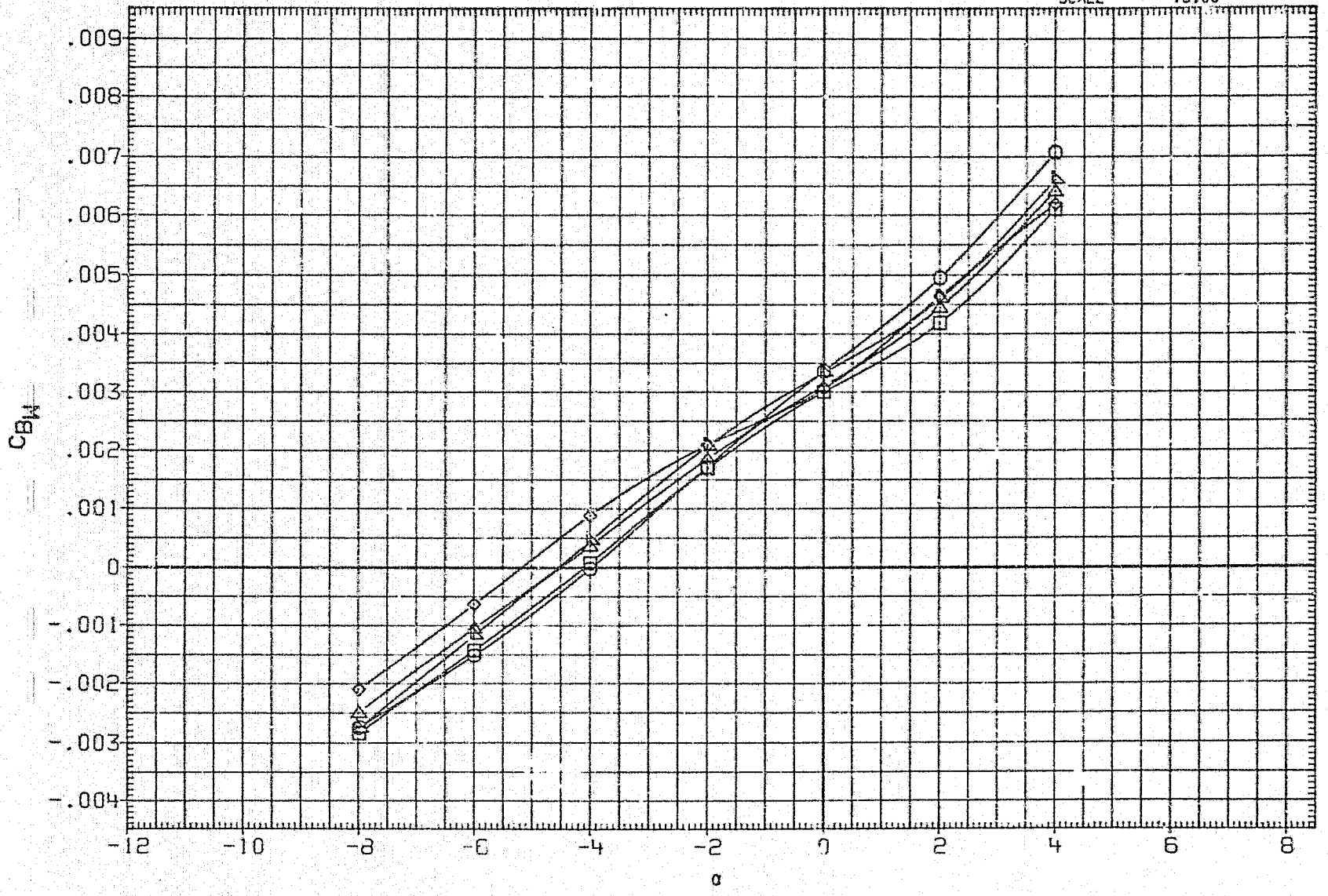


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH - 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA61	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

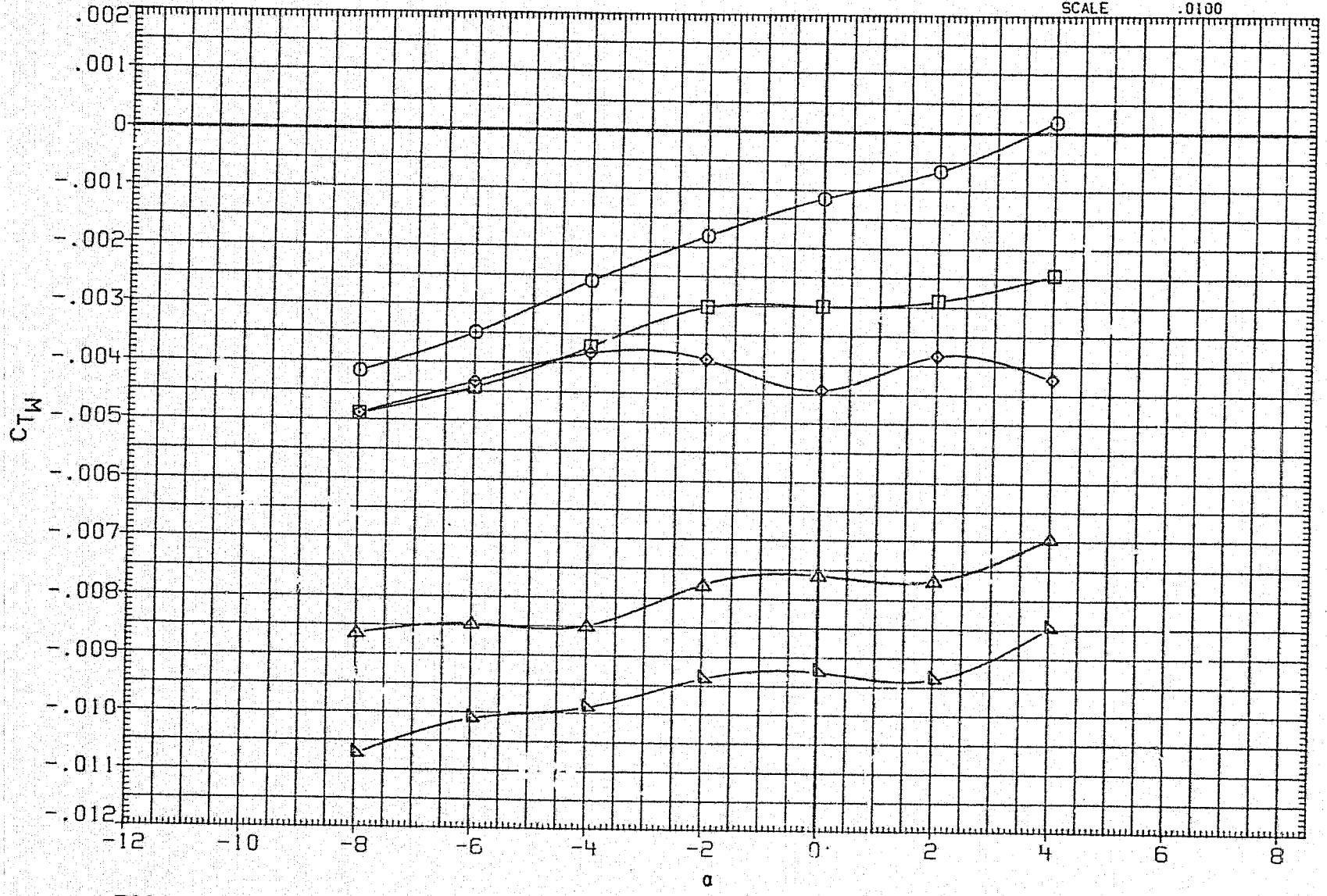


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

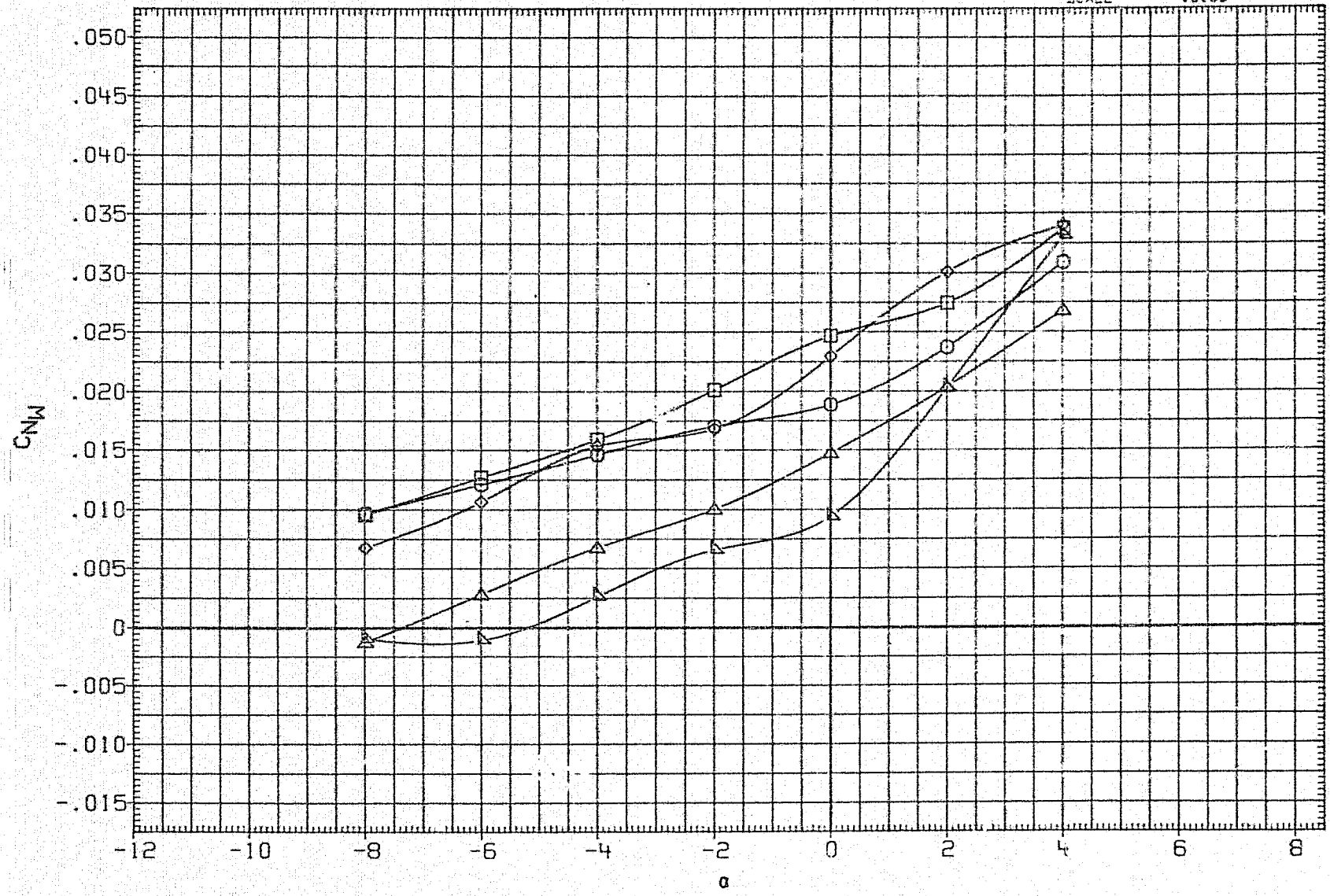


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

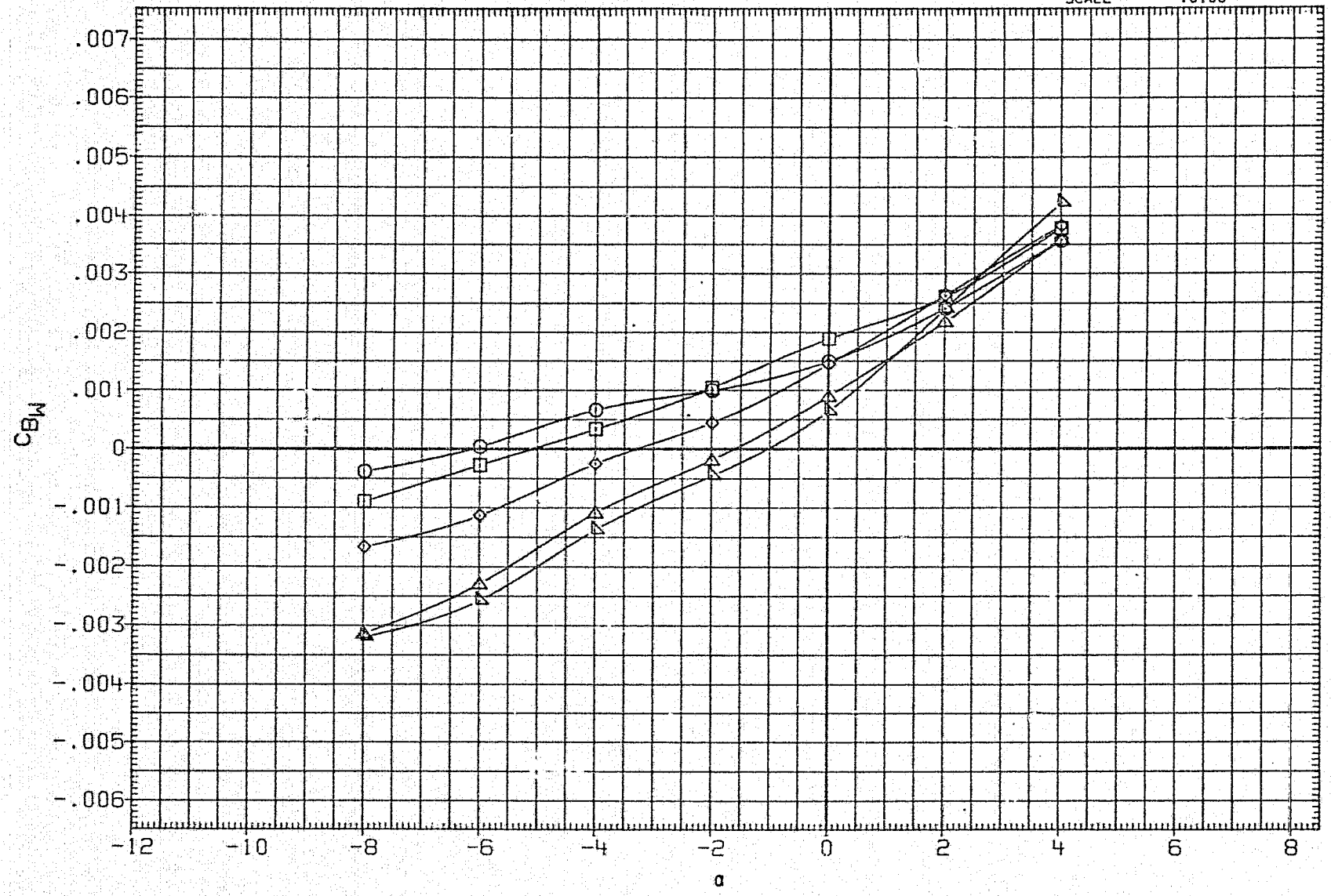


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

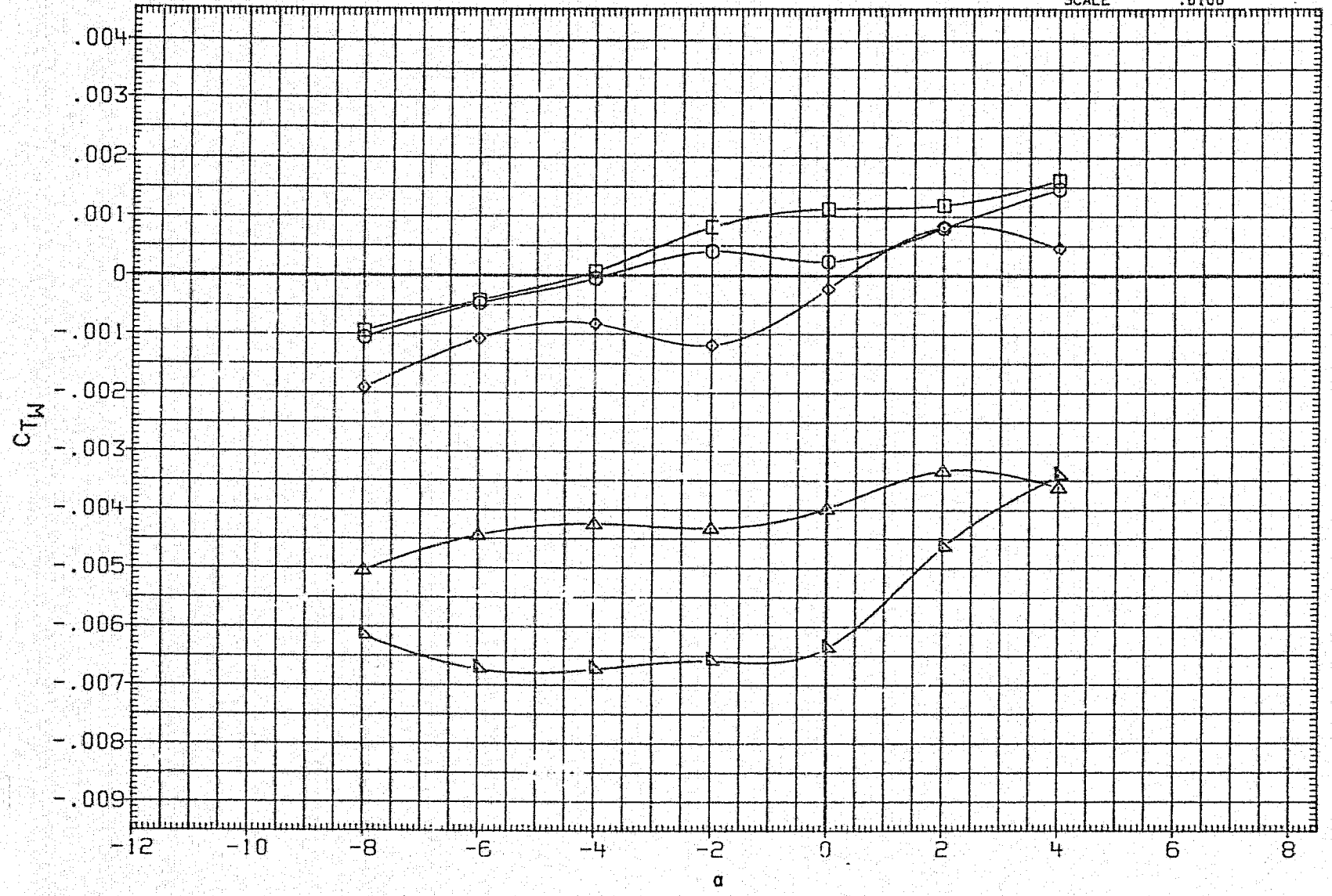


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

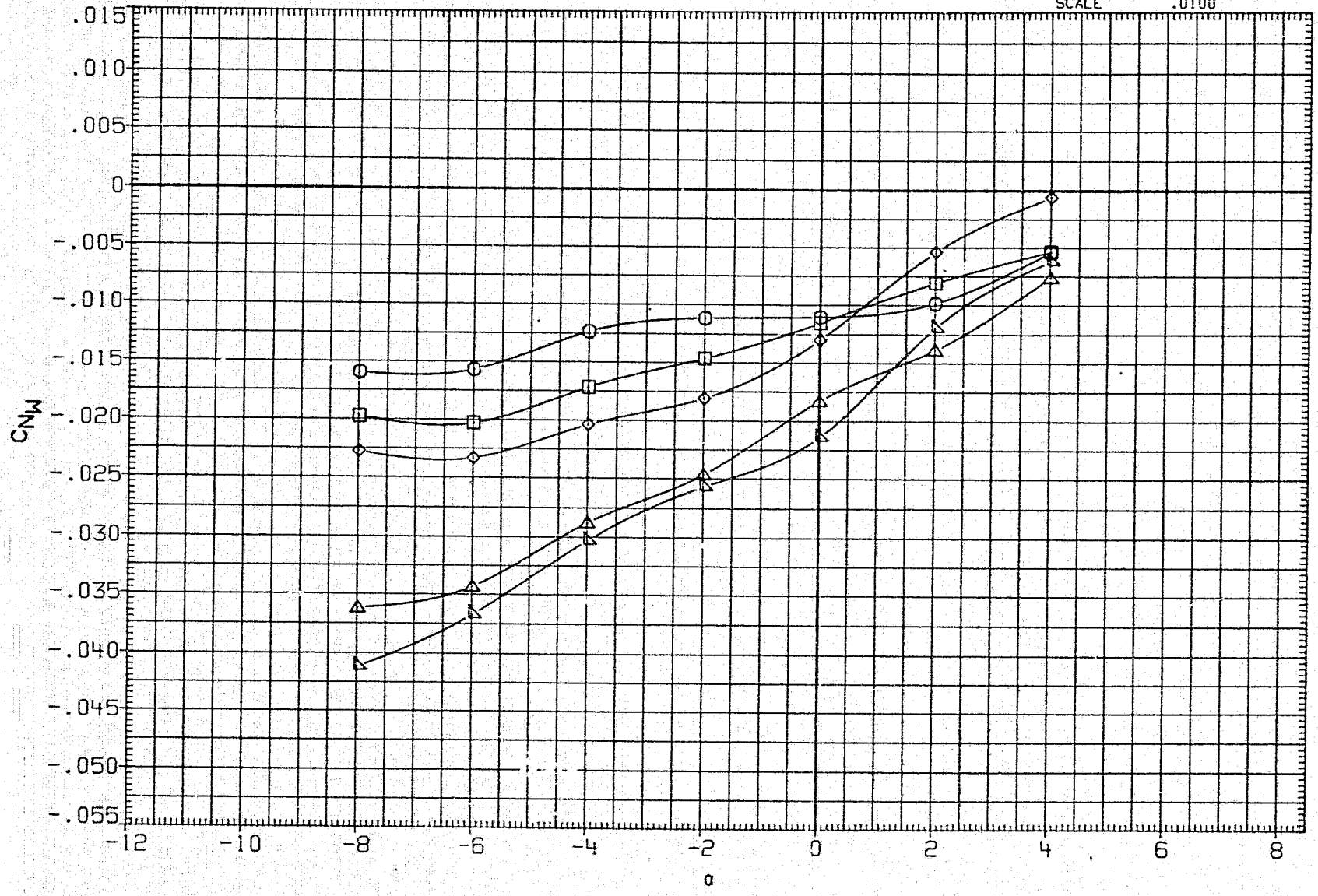


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

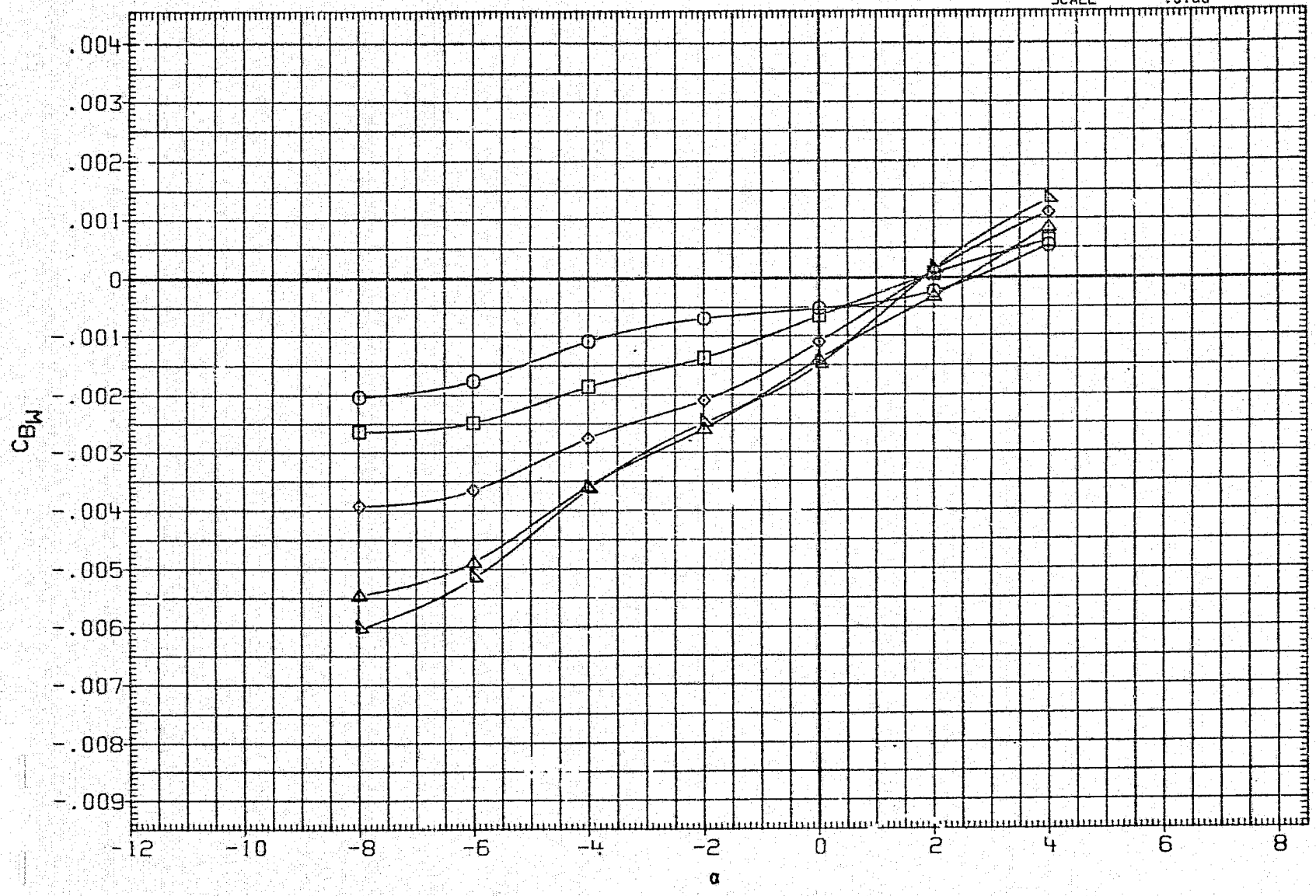


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA57	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJWA58	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJWA59	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJWA60	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJWA61	◺	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

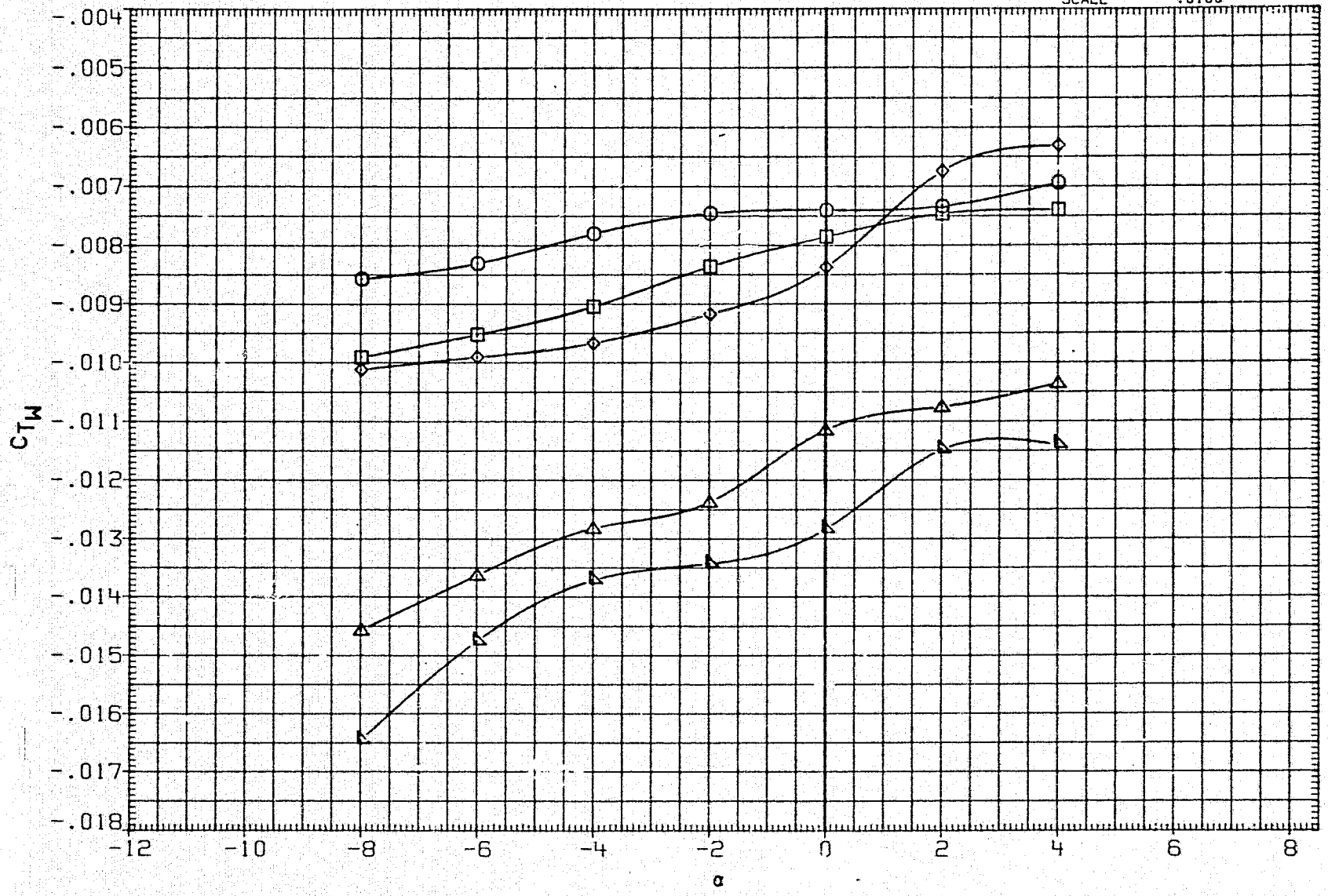


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA62	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA63	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA64	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA65	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA66	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

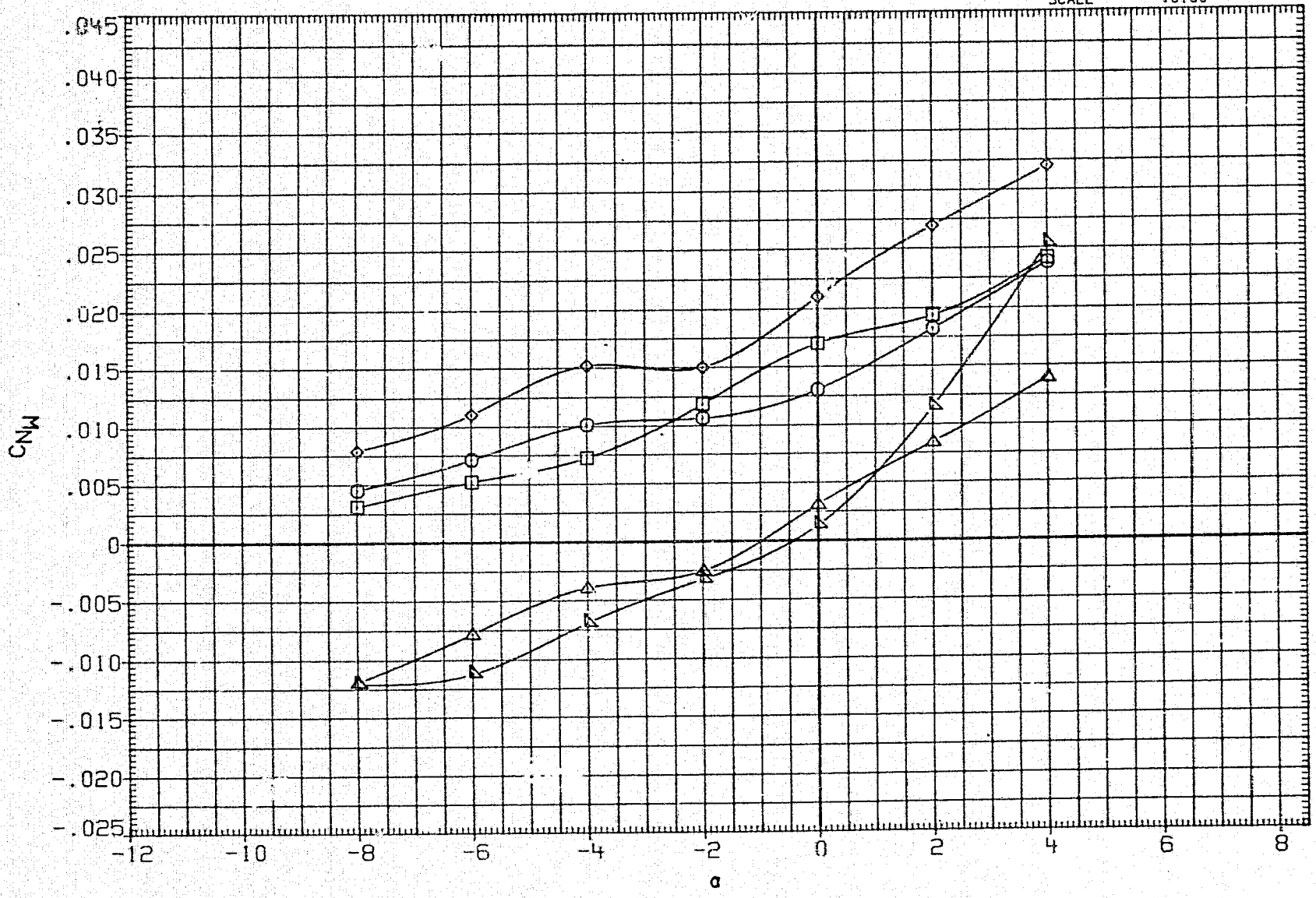


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

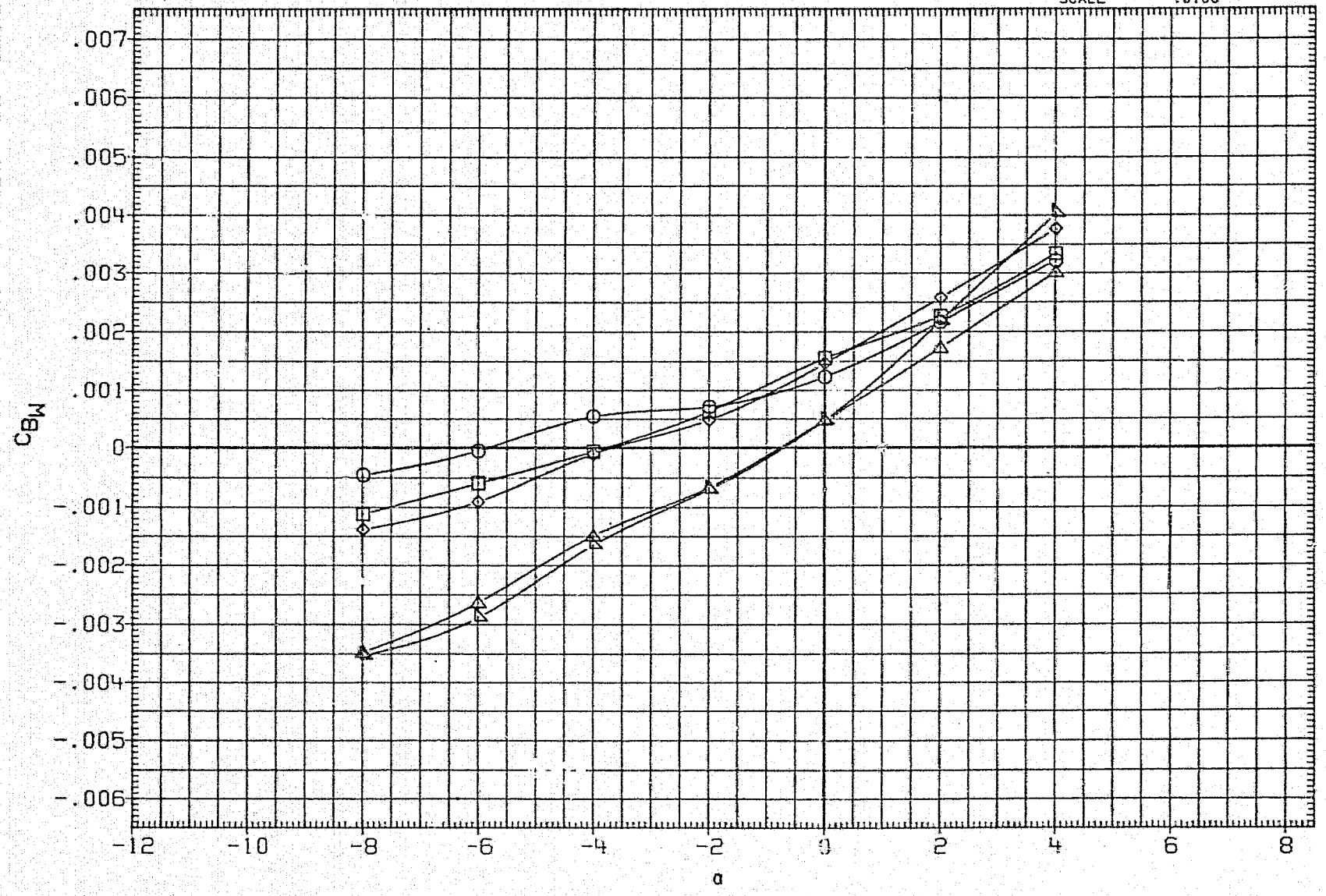


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(IA948) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(IA948) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(IA948) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(IA948) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	◁	LARC UPWT 1177(IA948) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

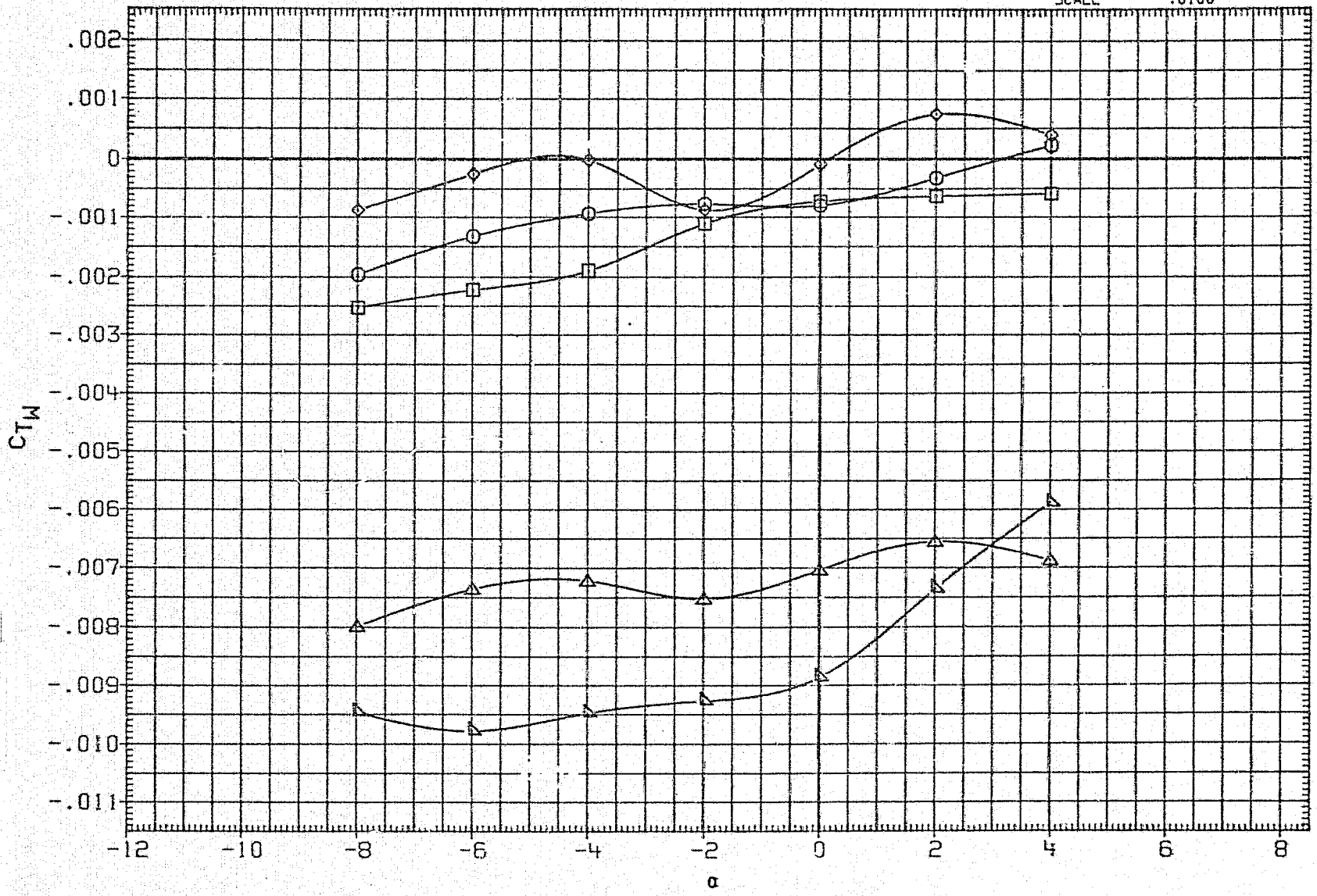


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA66	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

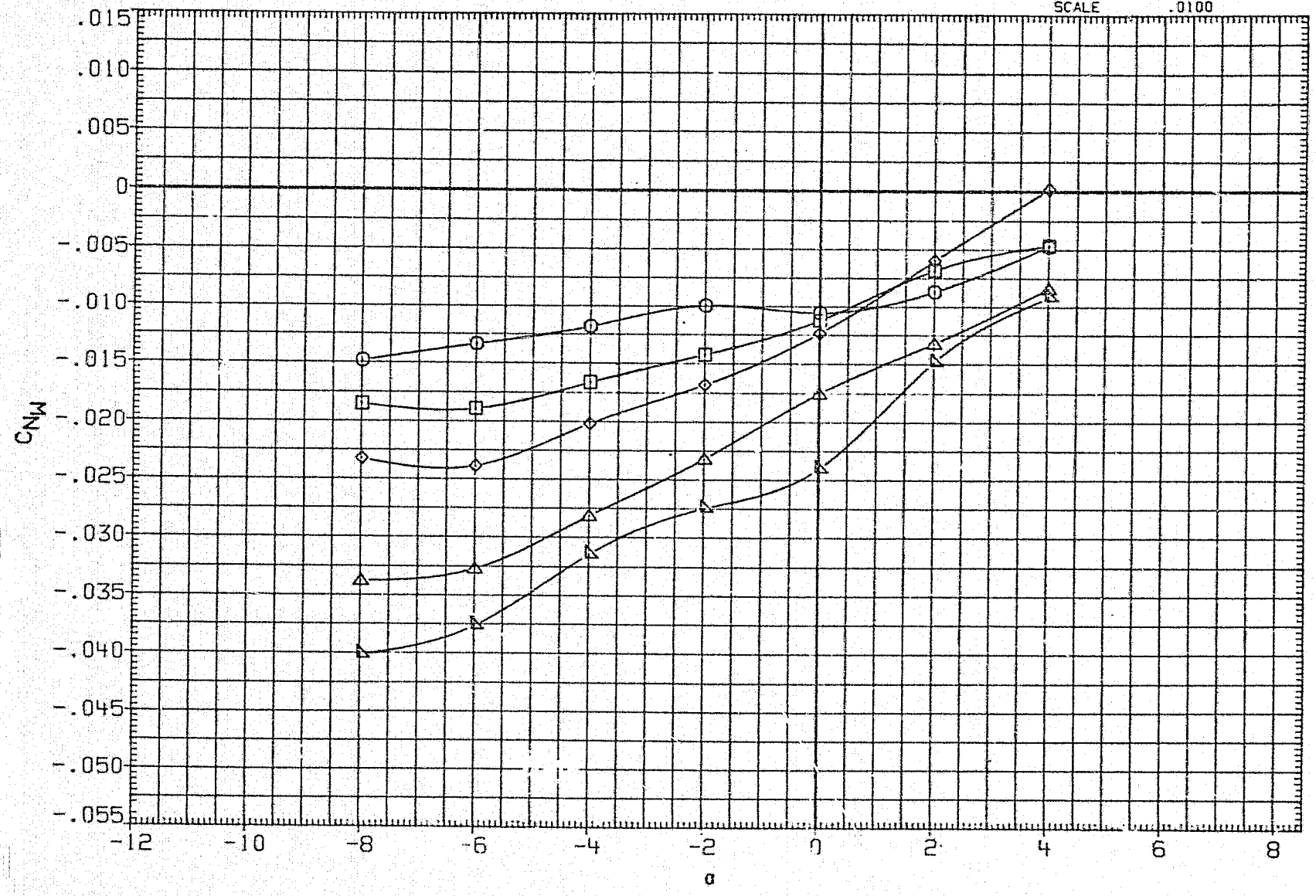


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA62	○	LARC UPWT 1177(1AS4B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWA63	□	LARC UPWT 1177(1AS4B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWA64	◇	LARC UPWT 1177(1AS4B) OTSAT130	.000	12.000	.000	12.000	.000
MJWA65	△	LARC UPWT 1177(1AS4B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWA66	▽	LARC UPWT 1177(1AS4B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	8690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

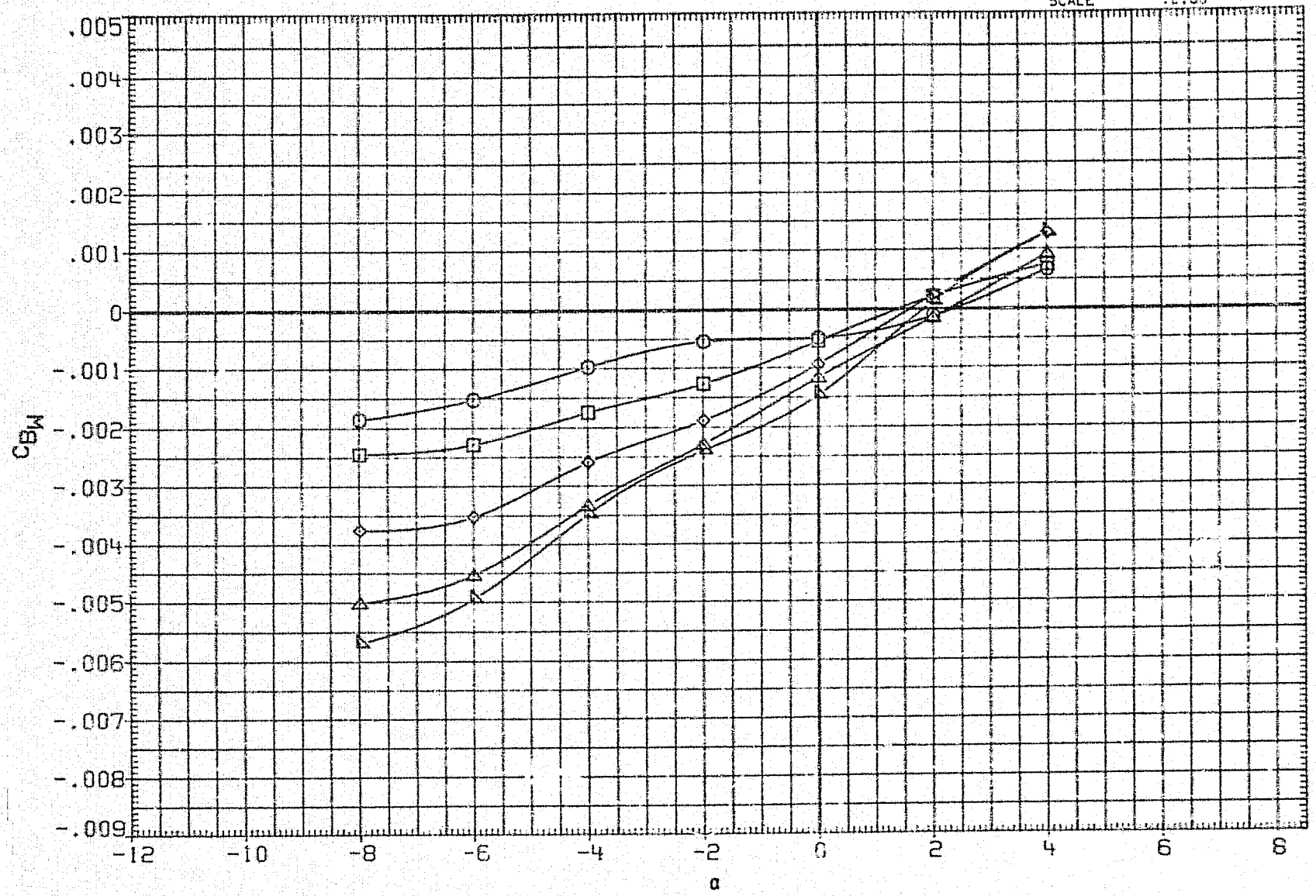


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA62	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA63	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA64	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA65	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA66	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

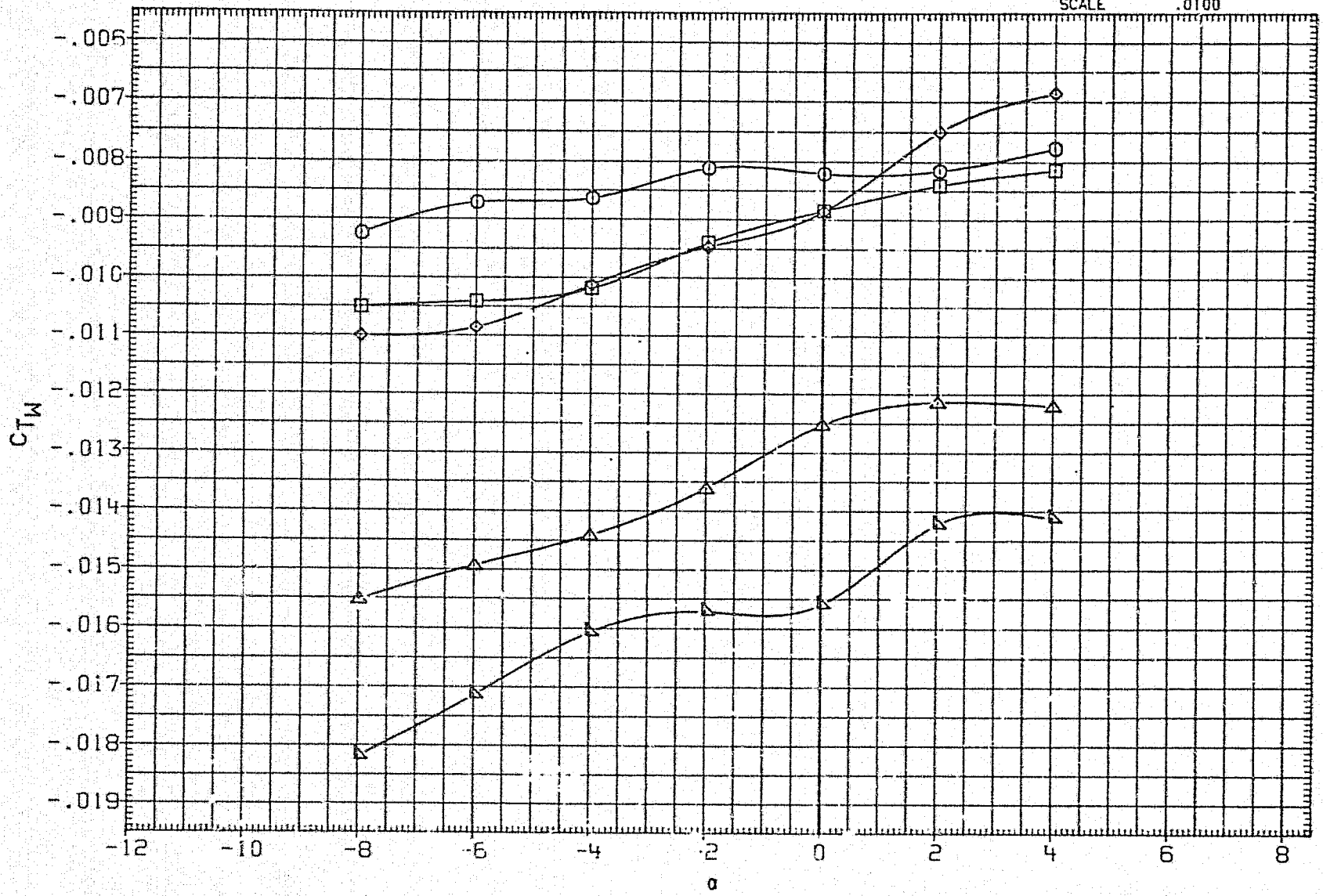


FIG. 8 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA71	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

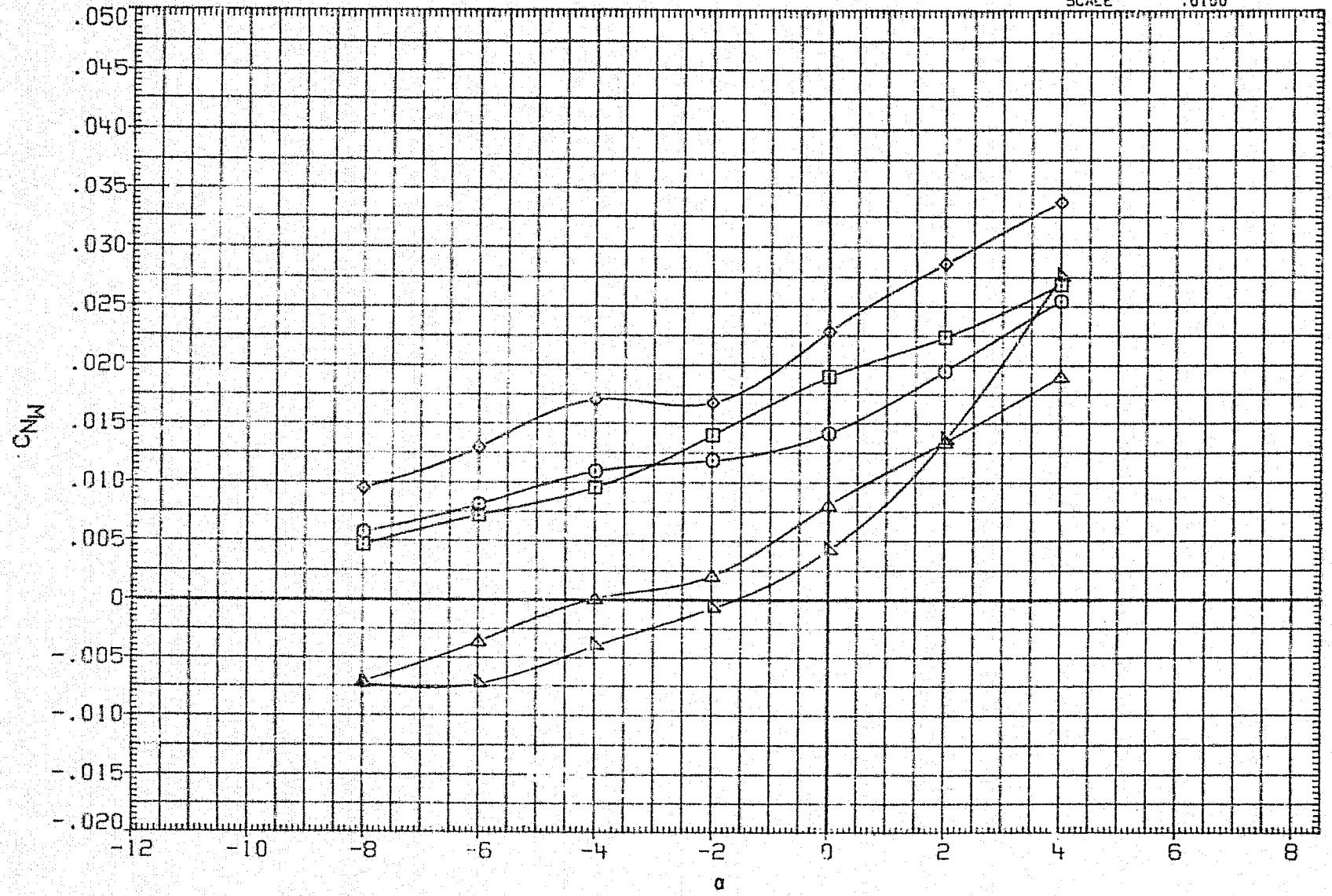


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290 3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

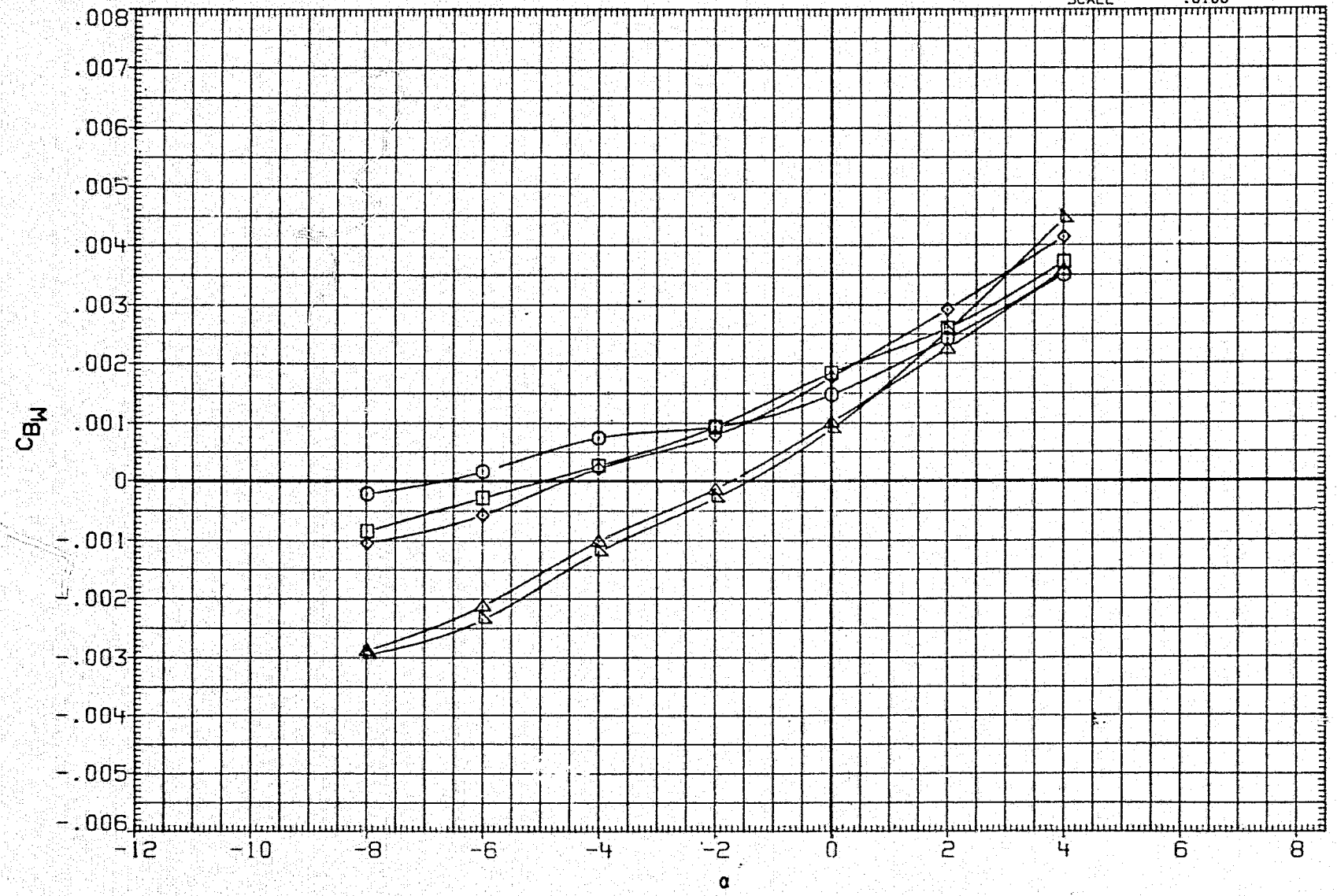


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	▱	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

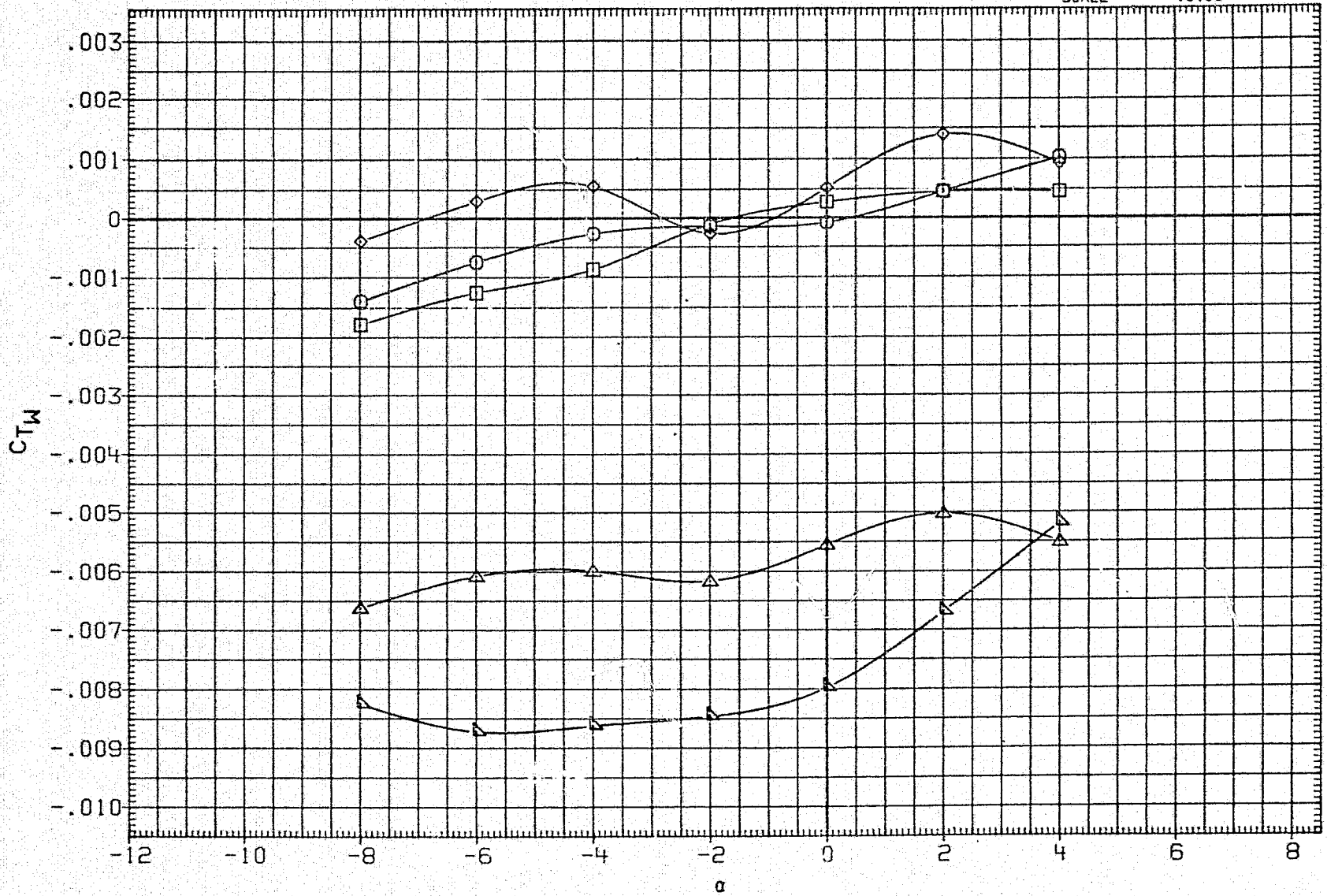


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWA67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWA68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWA69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWA70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWA71	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

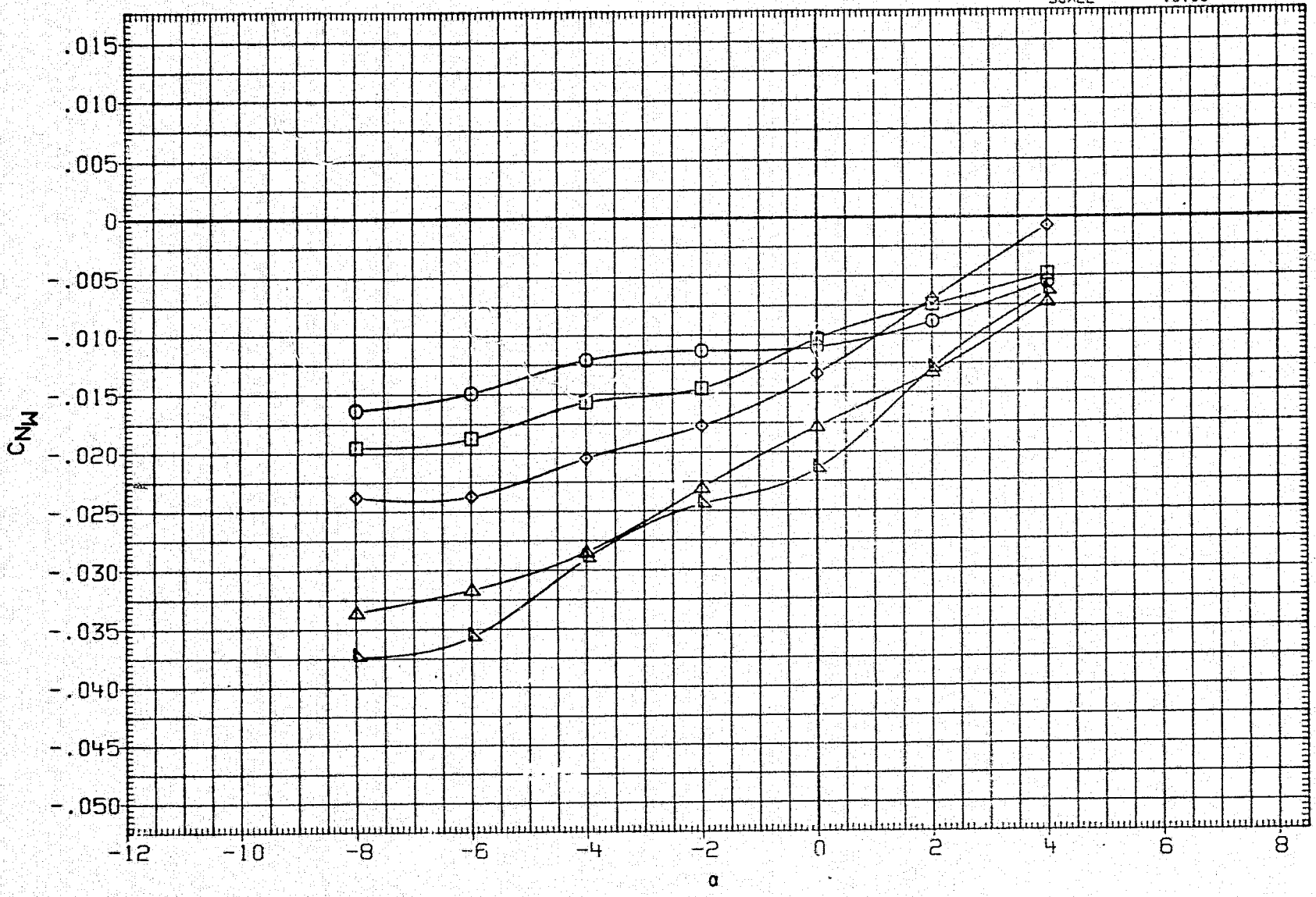


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWA71	△	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

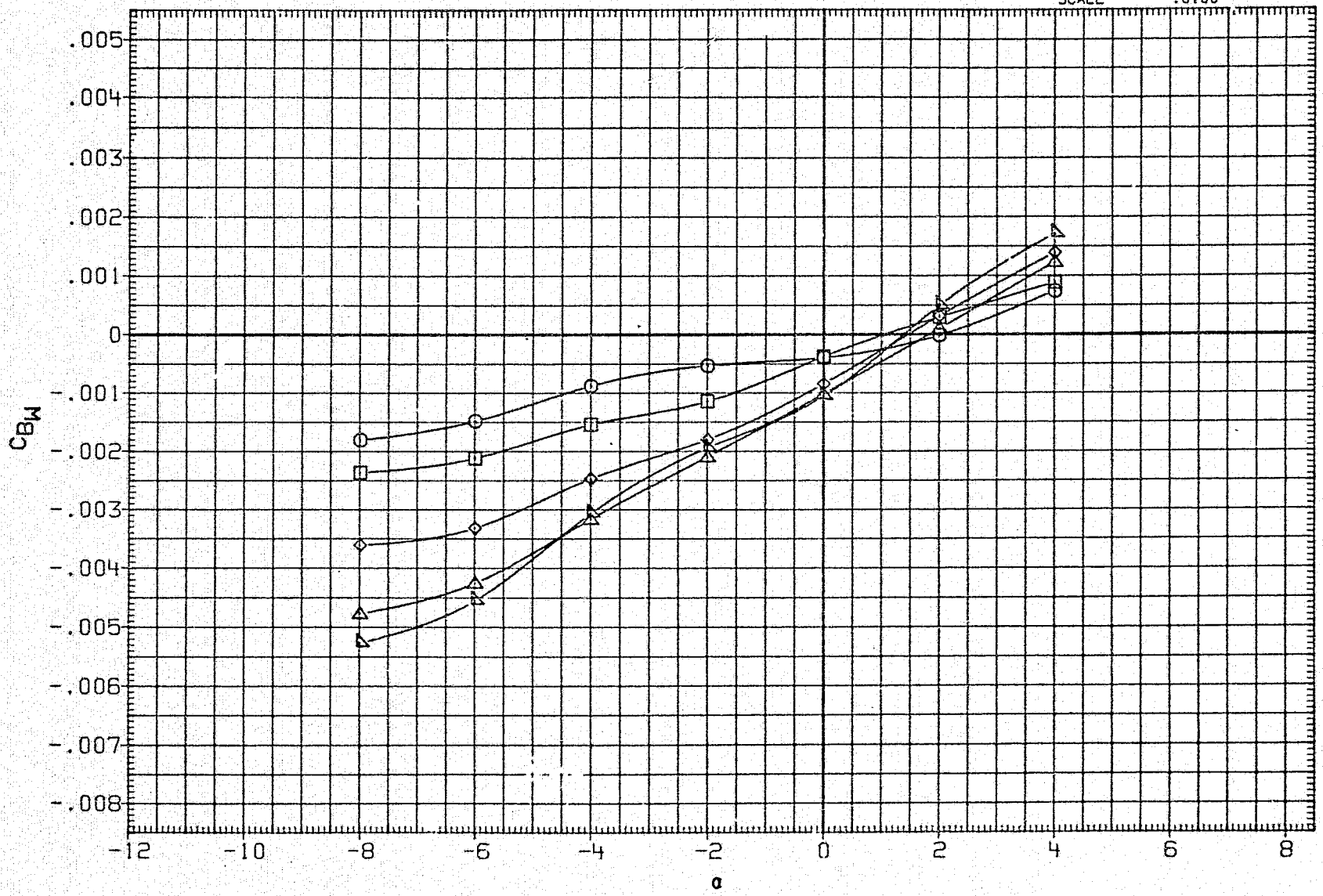


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWA67	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA68	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA69	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA70	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA71	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

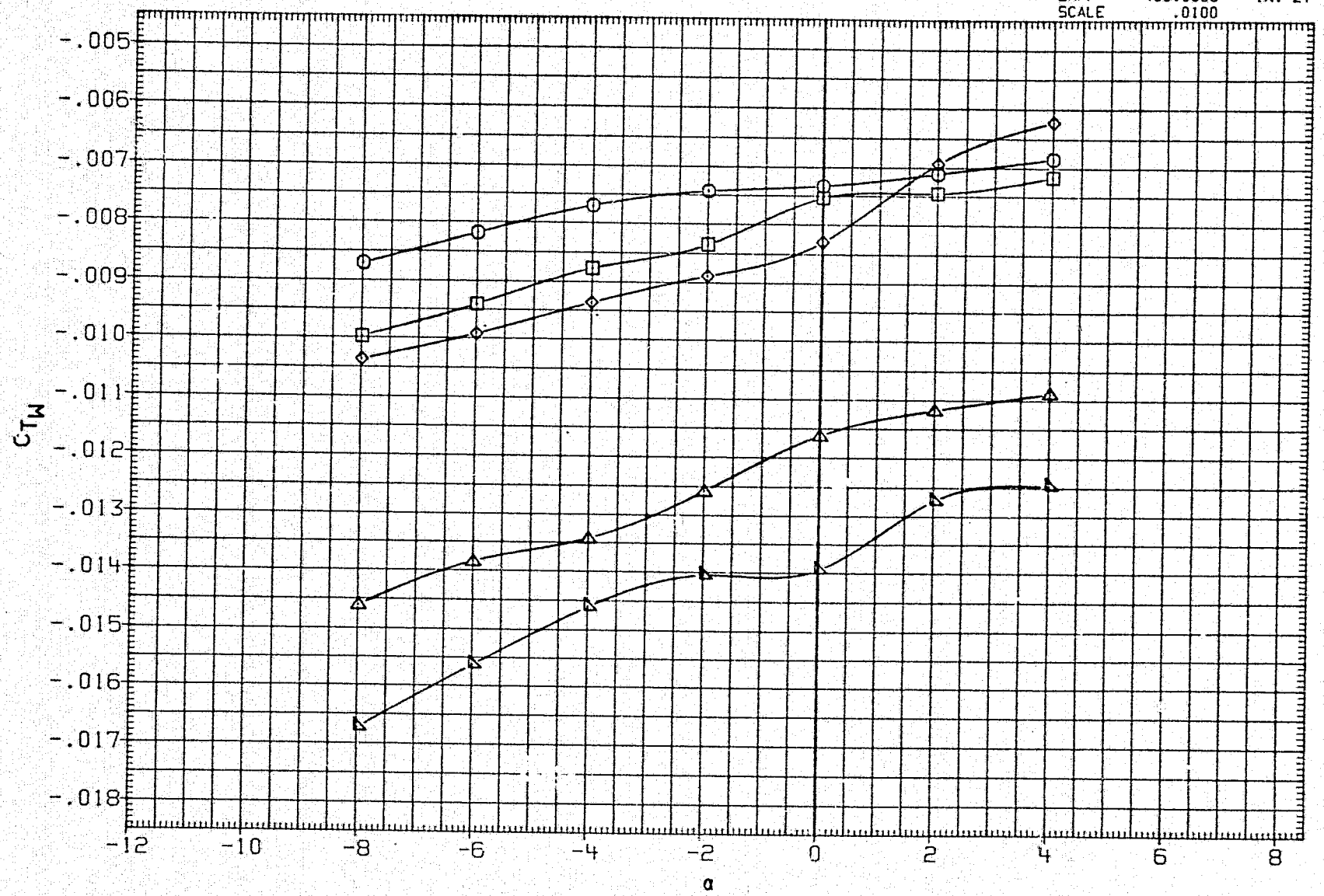


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWA72	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	2.000	12.000	2.000
MJWA73	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	2.000	12.000	2.000
MJWA74	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	2.000	12.000	2.000
MJWA75	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	2.000	12.000	2.000
MJWA76	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

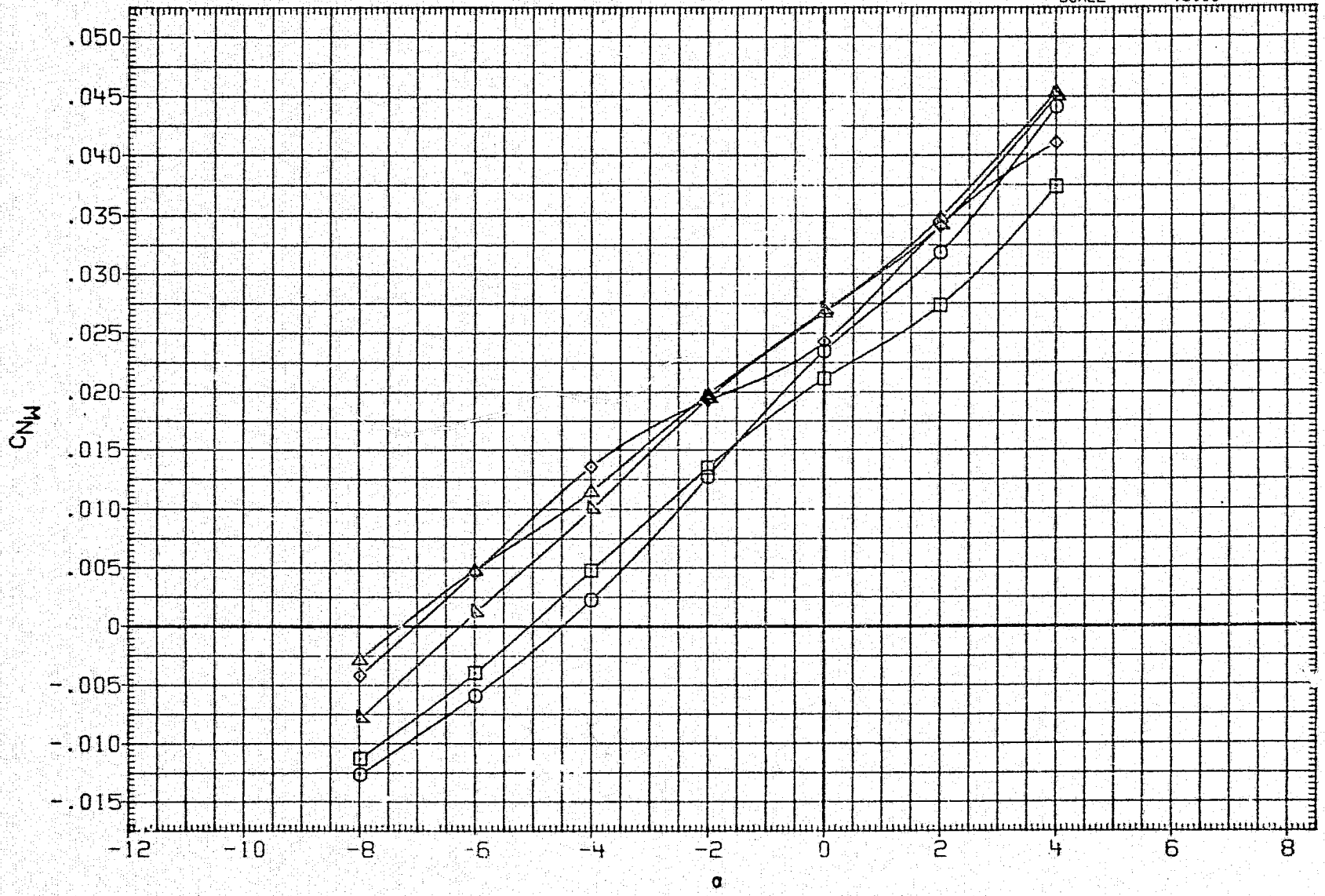


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA72	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA73	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA74	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA75	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA76	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

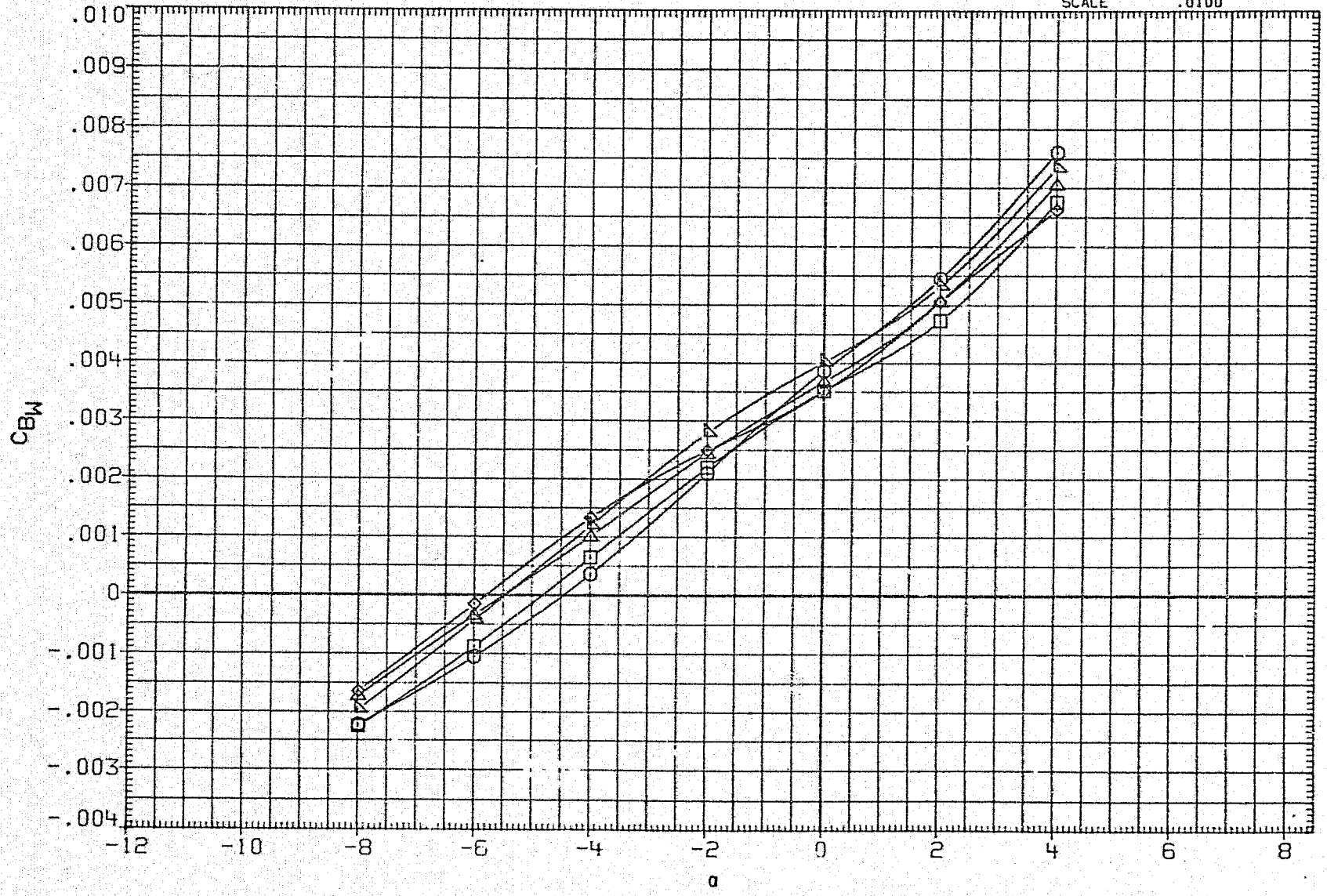


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWA72	○	LARC UPWT 1177(IA94B) OTSAT130
MJWA73	□	LARC UPWT 1177(IA94B) OTSAT130
MJWA74	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWA75	△	LARC UPWT 1177(IA94B) OTSAT130
MJWA76	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

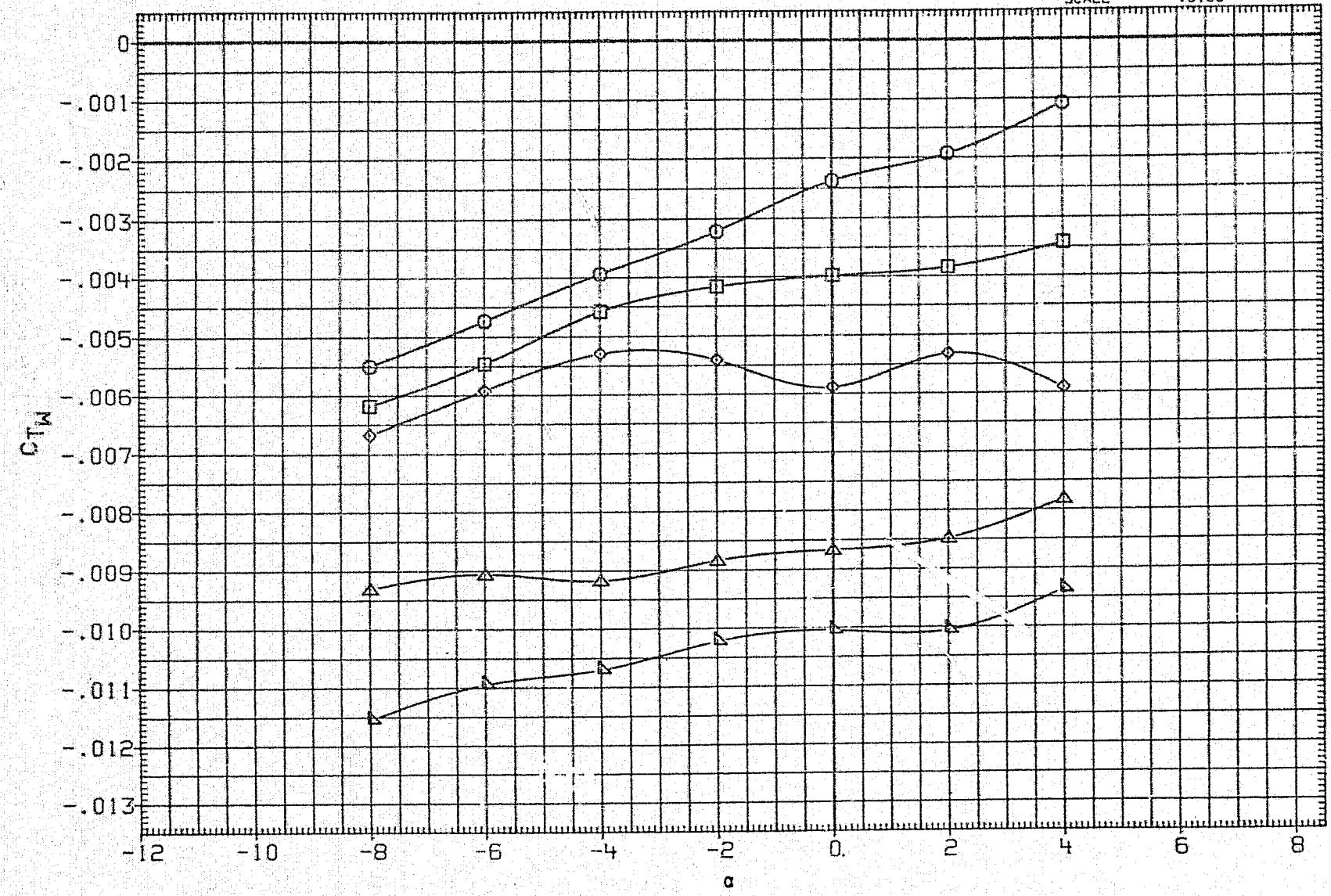


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB01	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

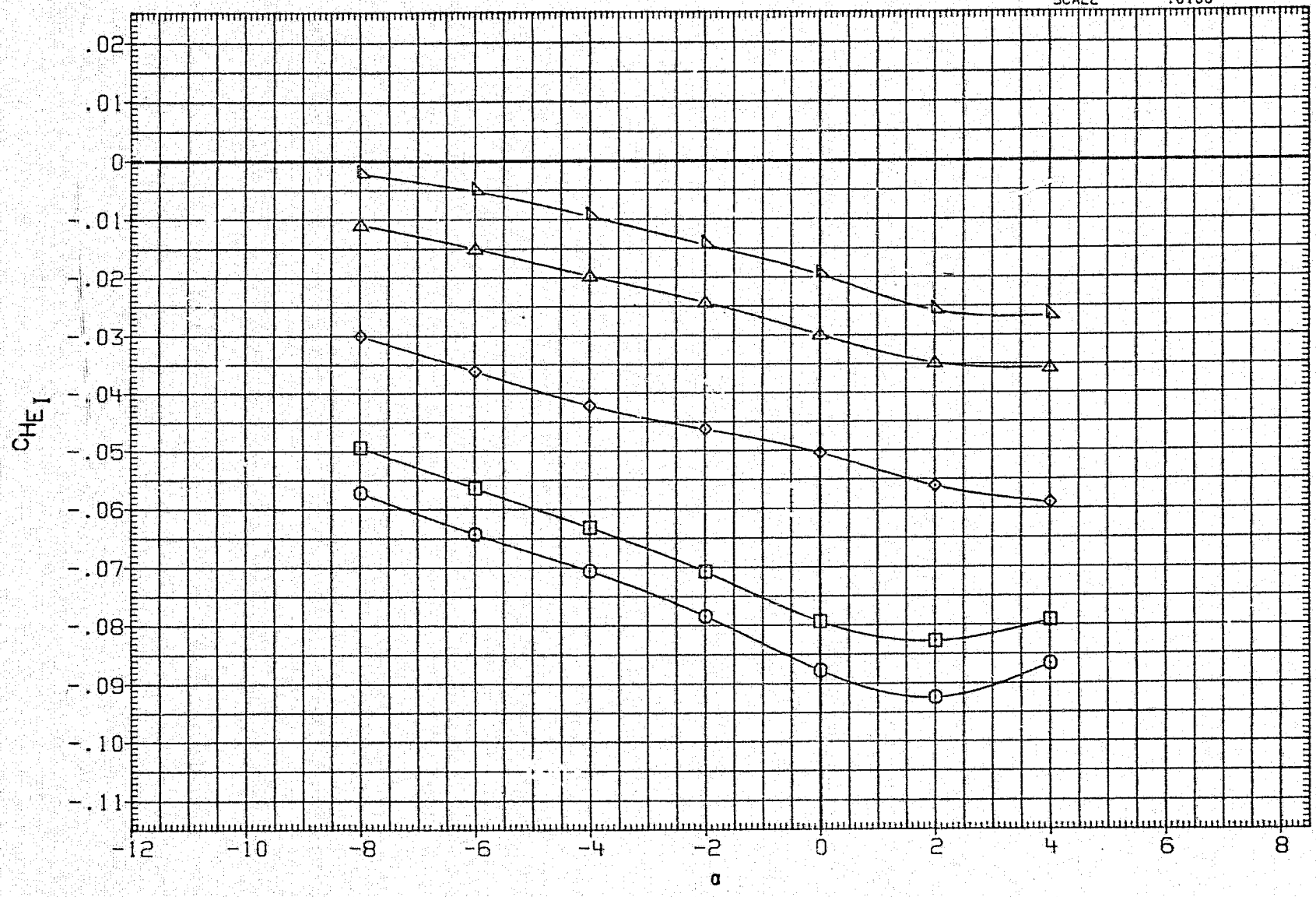


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB01	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000
MJWB02	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000
MJWB03	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-10.000	8.000	-10.000
MJWB04	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-10.000	8.000	-10.000
MJWB05	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

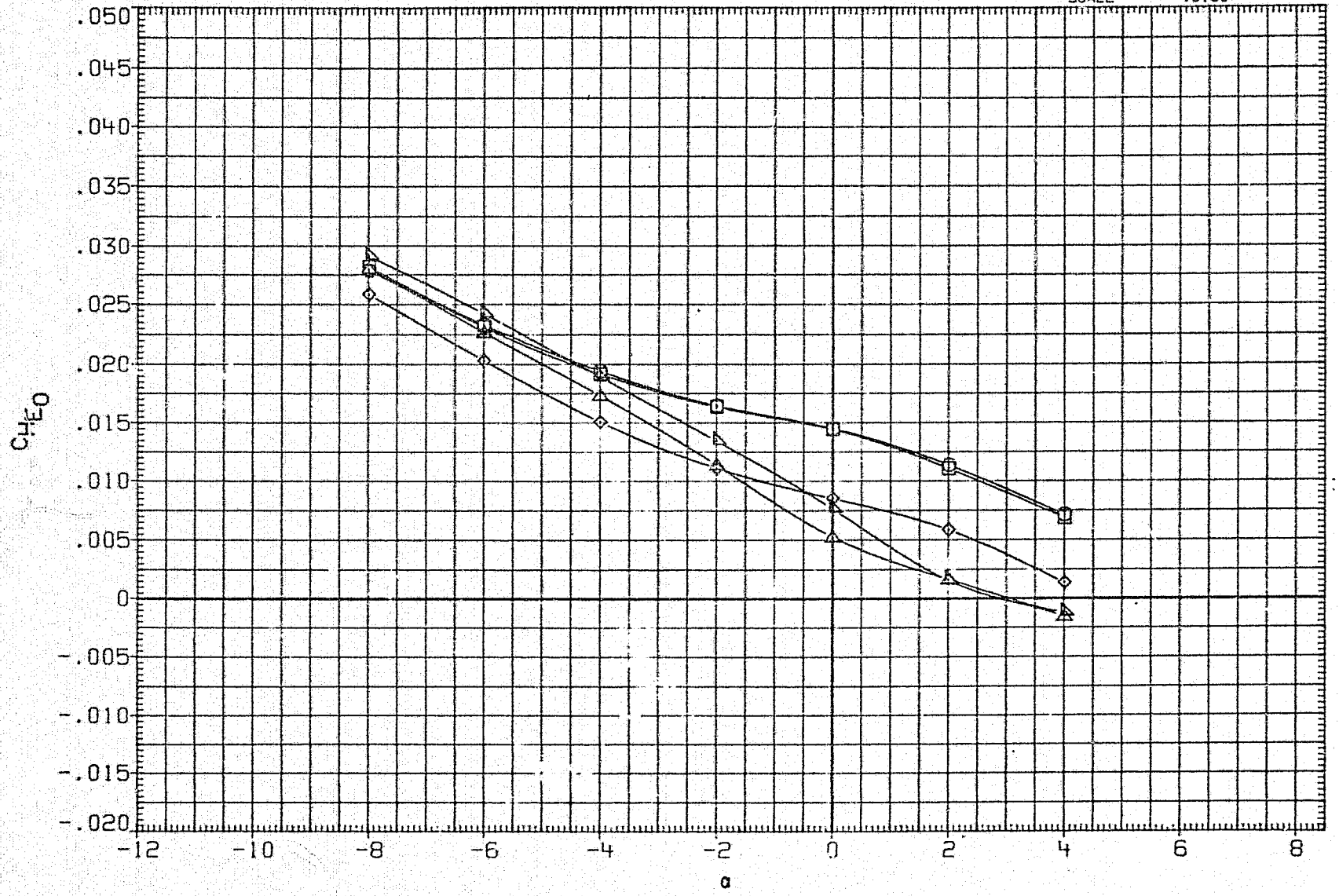


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

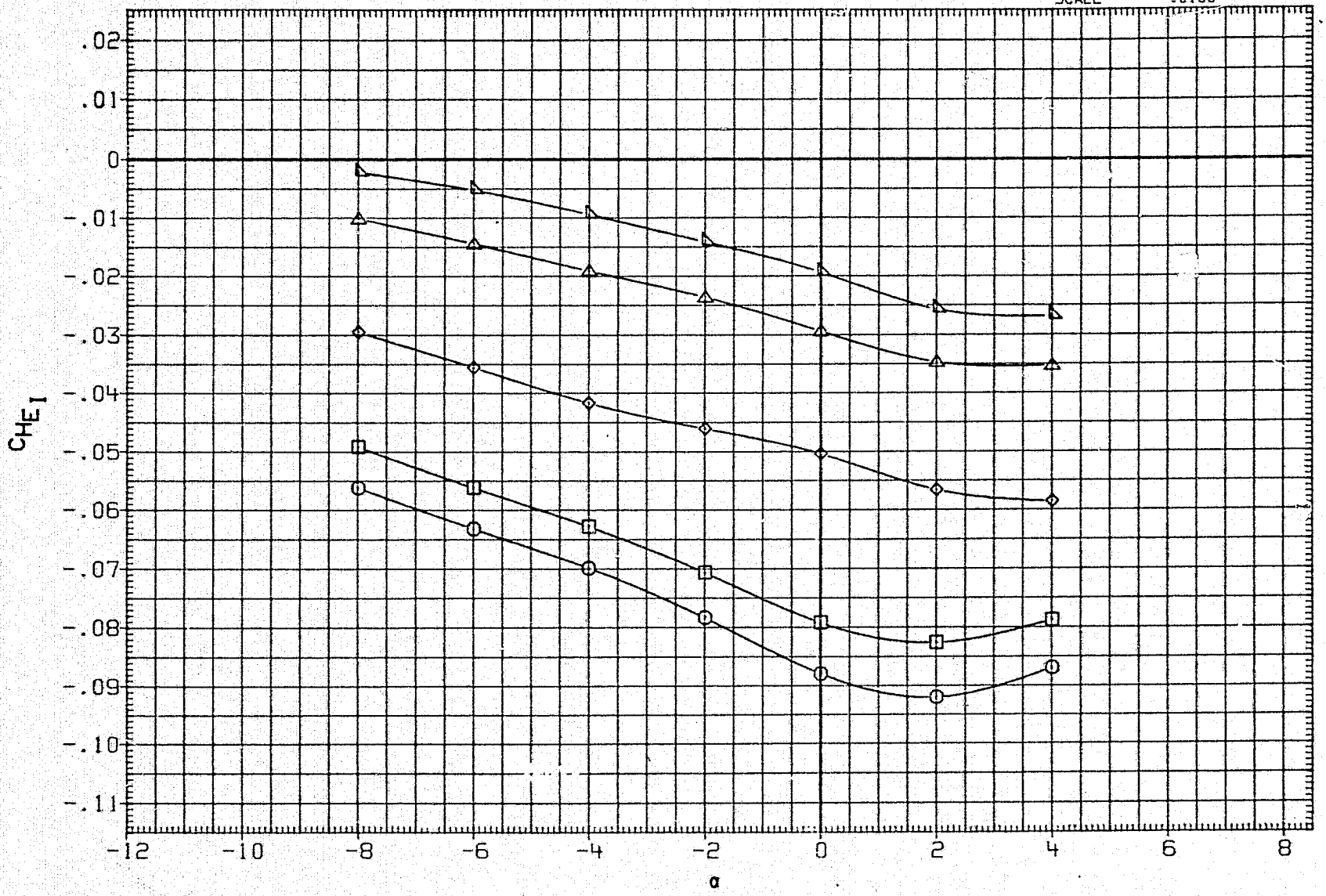


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

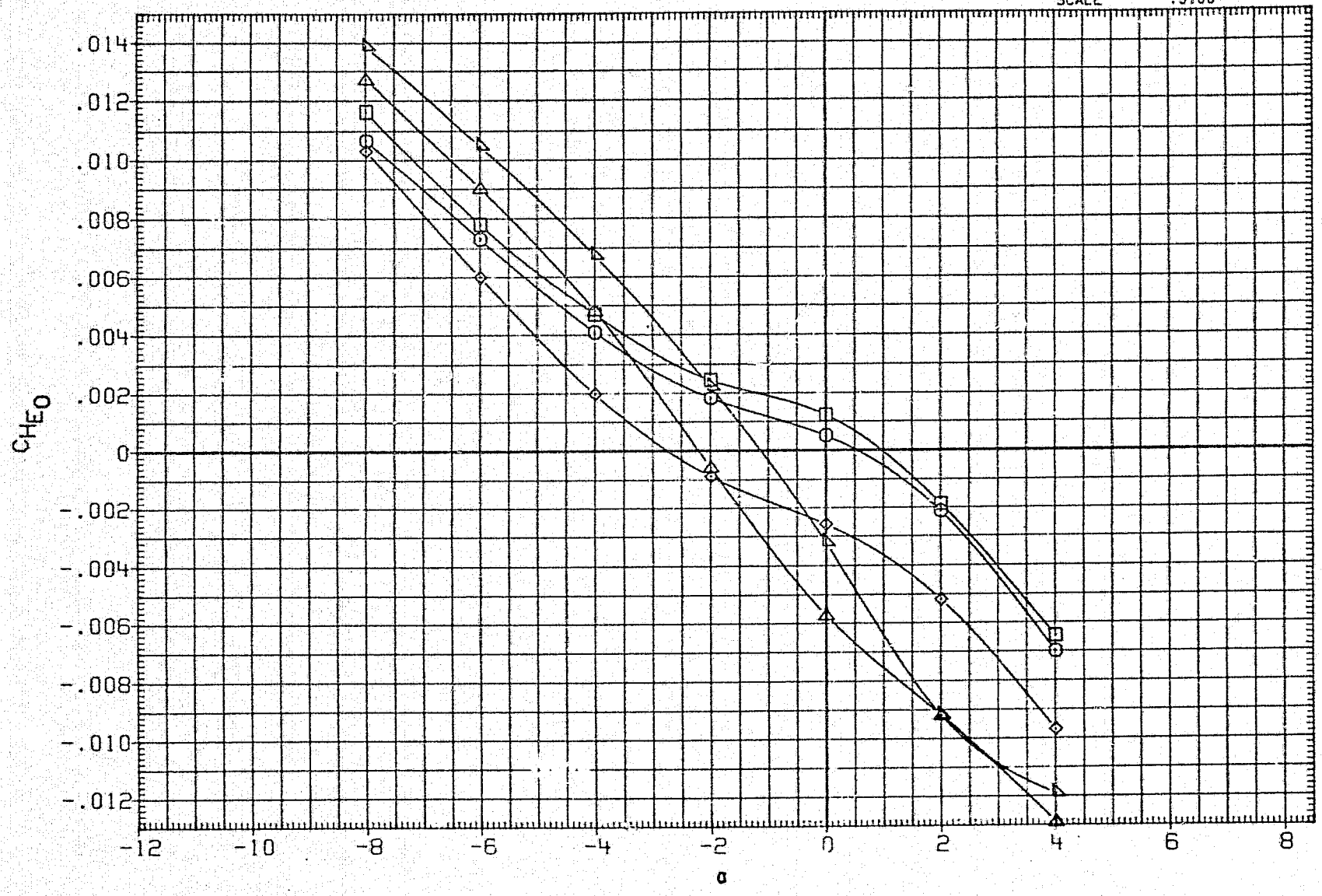


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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SCALE	.0100	

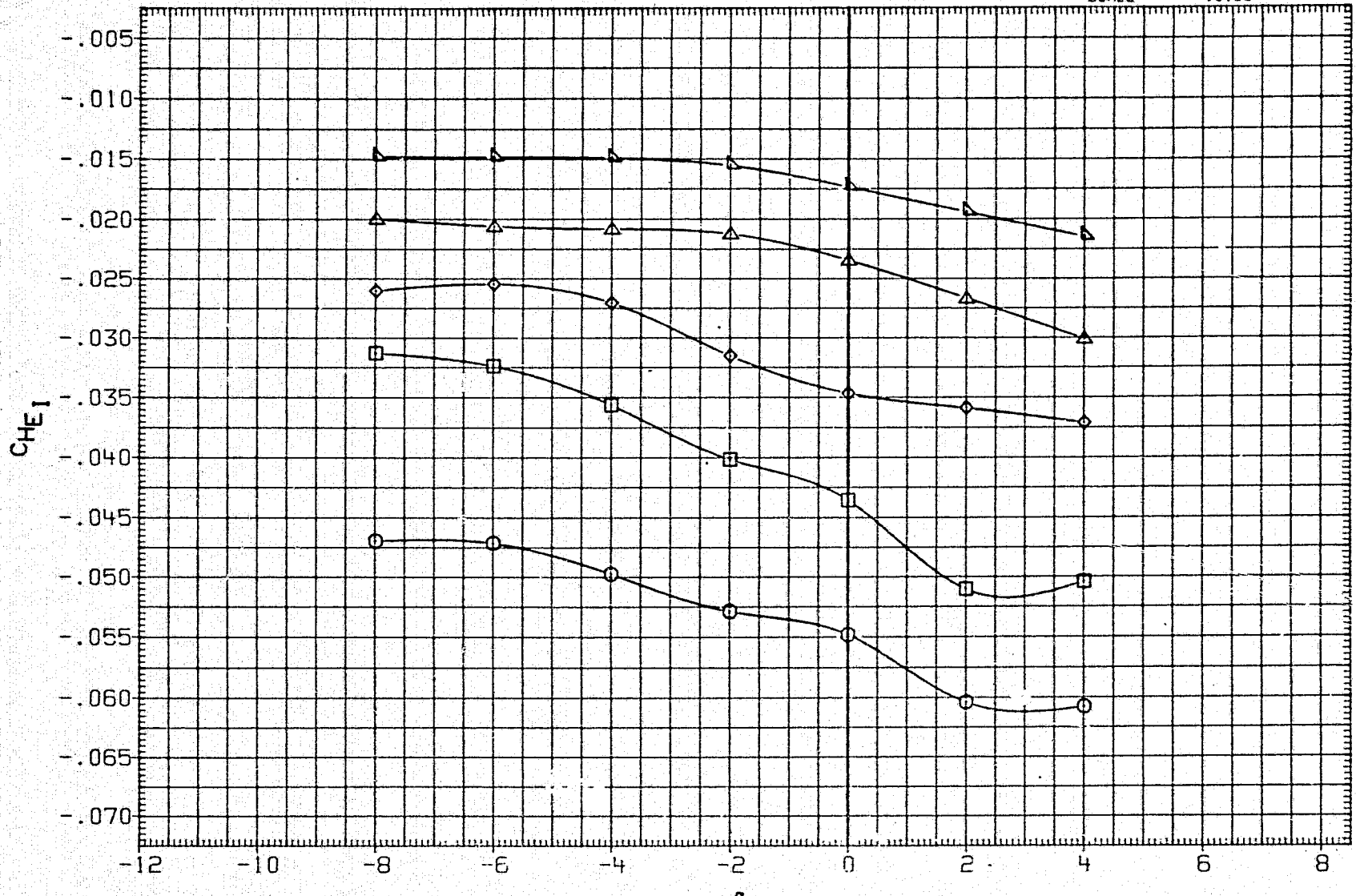


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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SCALE	.0100	

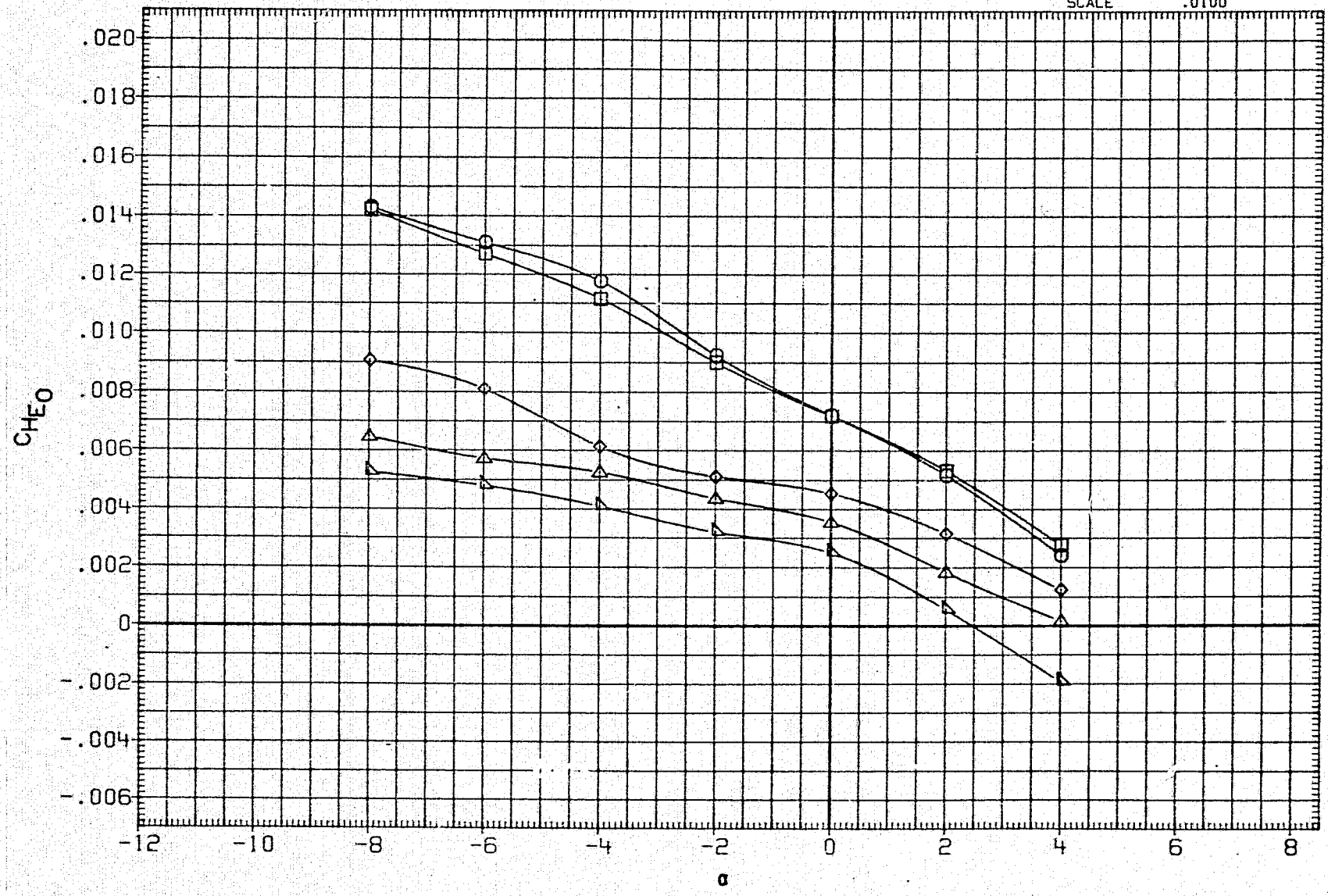


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB06	○	LARC UPWT 1177(IA94B) OTSATI30	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(IA94B) OTSATI30	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(IA94B) OTSATI30	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(IA94B) OTSATI30	4.000	8.000	-5.000	8.000	-5.000
MJWB10	▽	LARC UPWT 1177(IA94B) OTSATI30	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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ZMRP	400.0000	IN. ZT
SCALE	.0100	

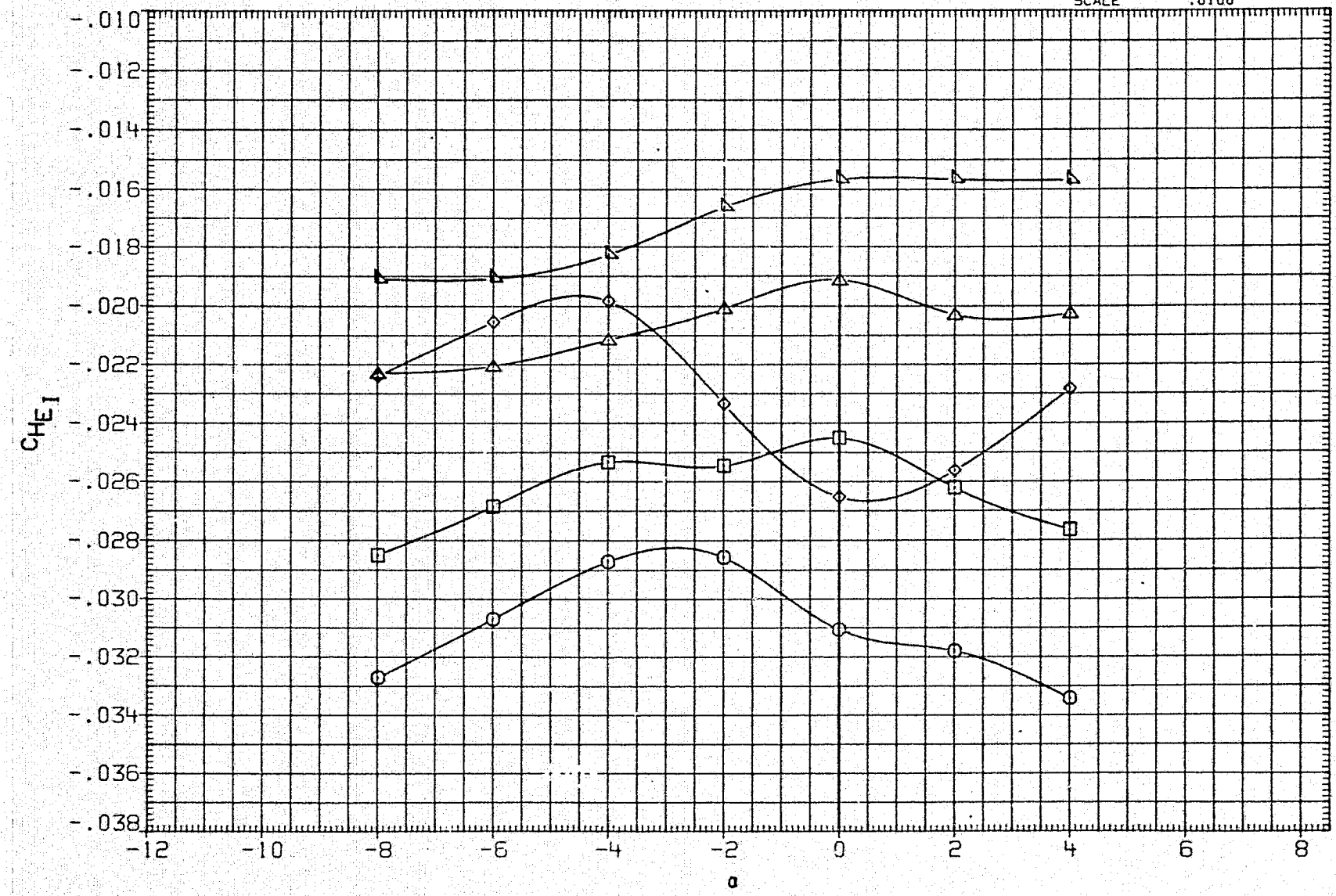


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB05	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000
MJWB07	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000
MJWB08	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	-5.000	8.000	-5.000
MJWB09	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	-5.000	8.000	-5.000
MJWB10	◺	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	-5.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

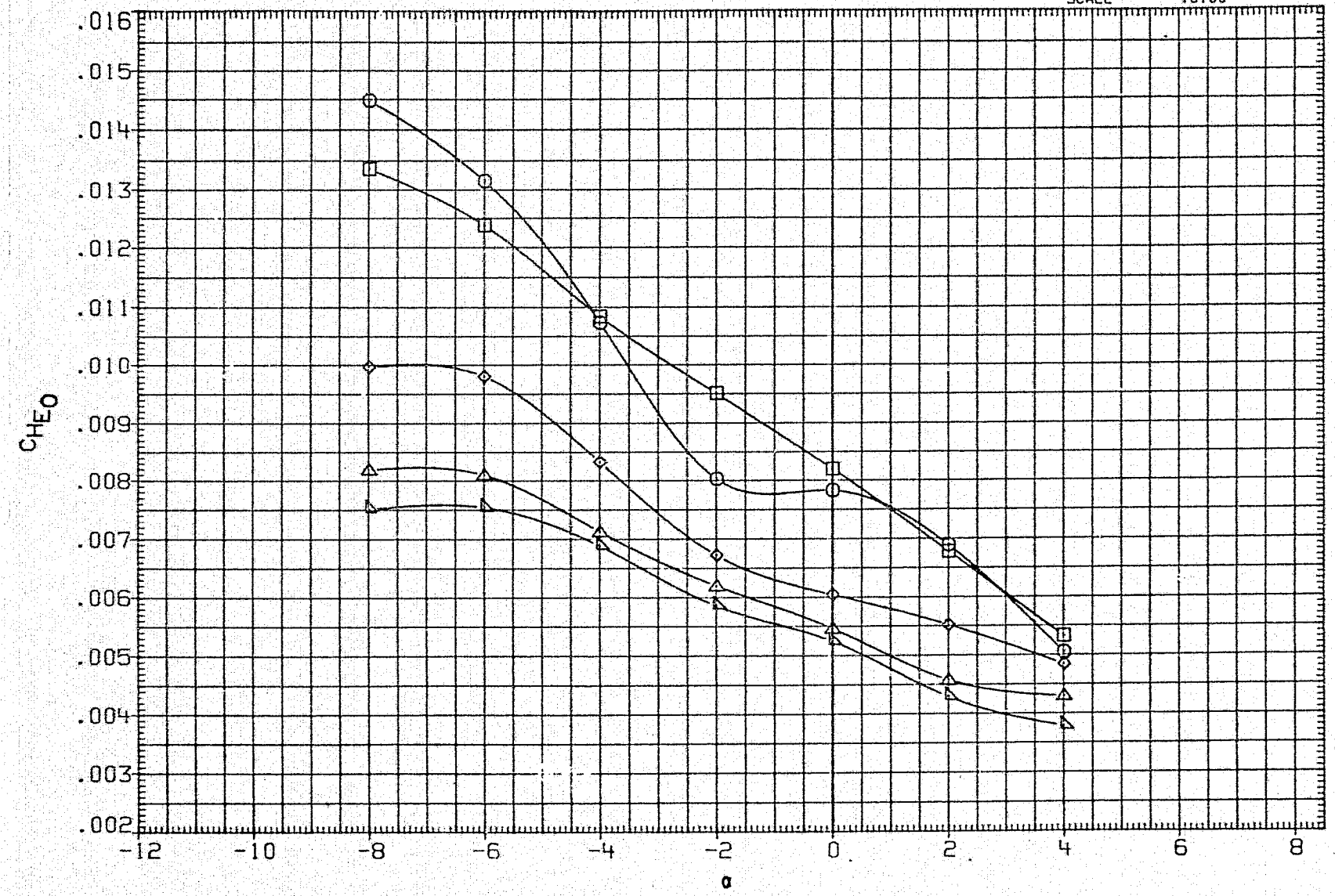


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	4.000	8.000	4.000
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	4.000	8.000	4.000
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	4.000	8.000	4.000
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	4.000	8.000	4.000
MJWB15	◁	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRF	400.0000	IN. ZT
SCALE	.0100	

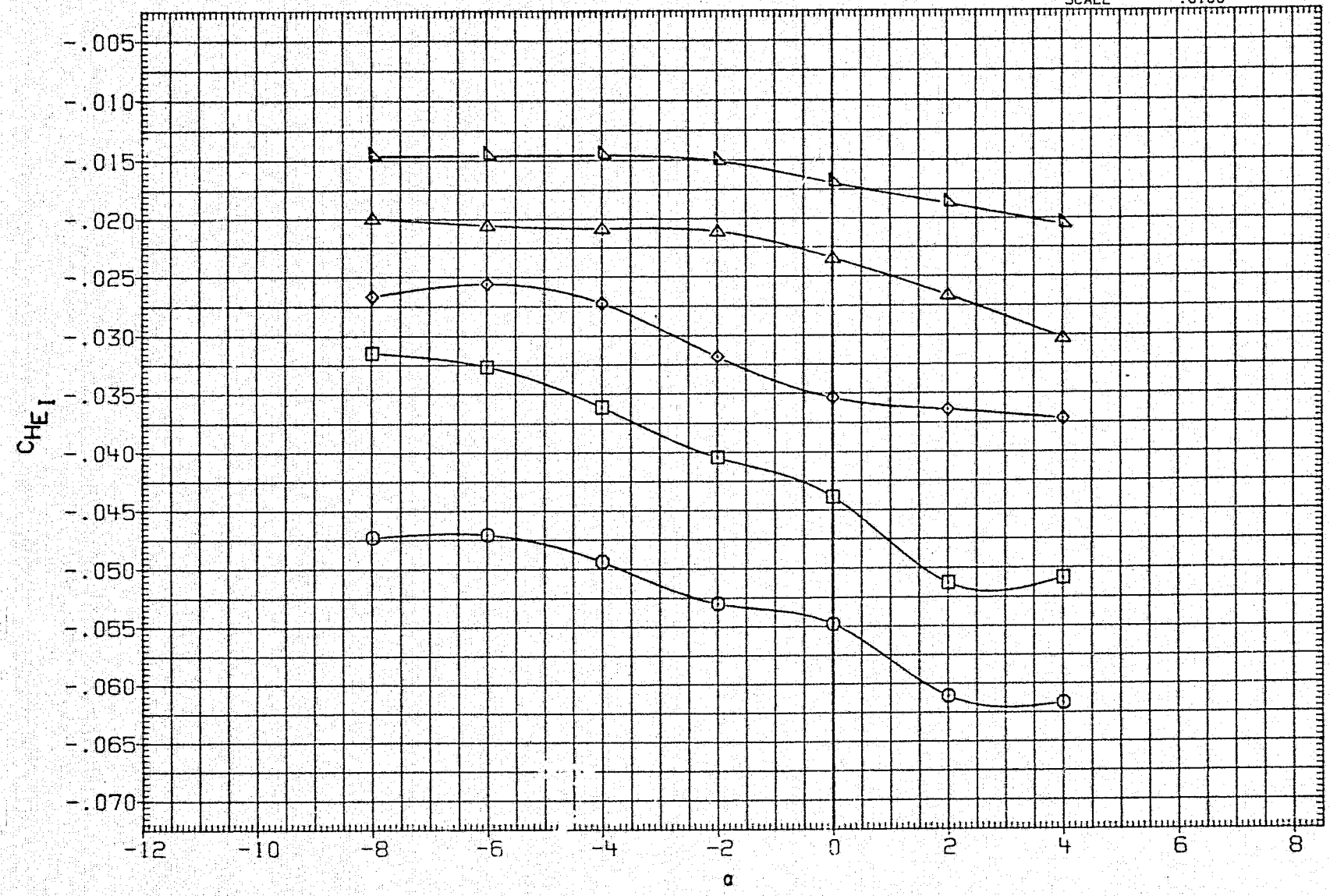


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

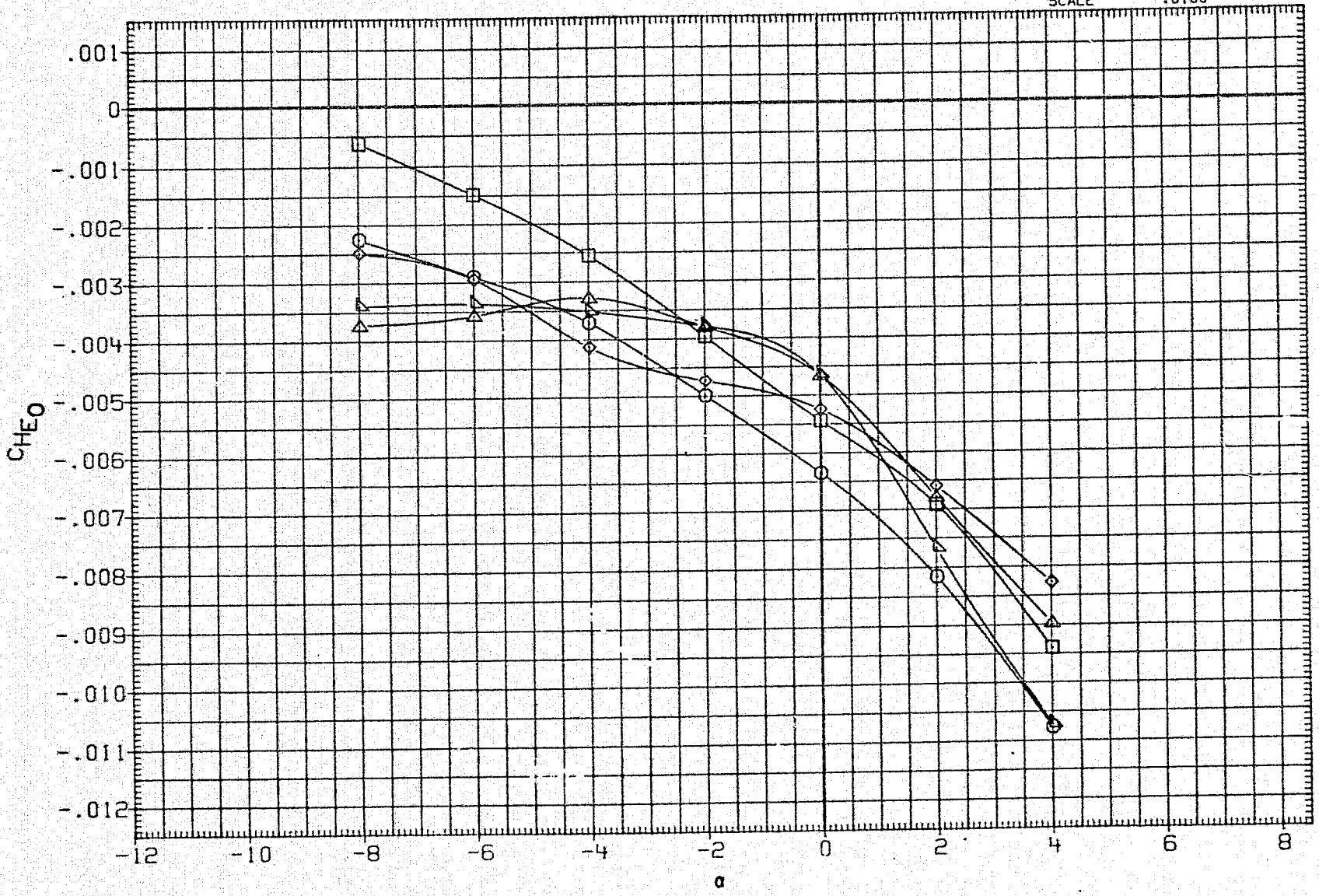


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

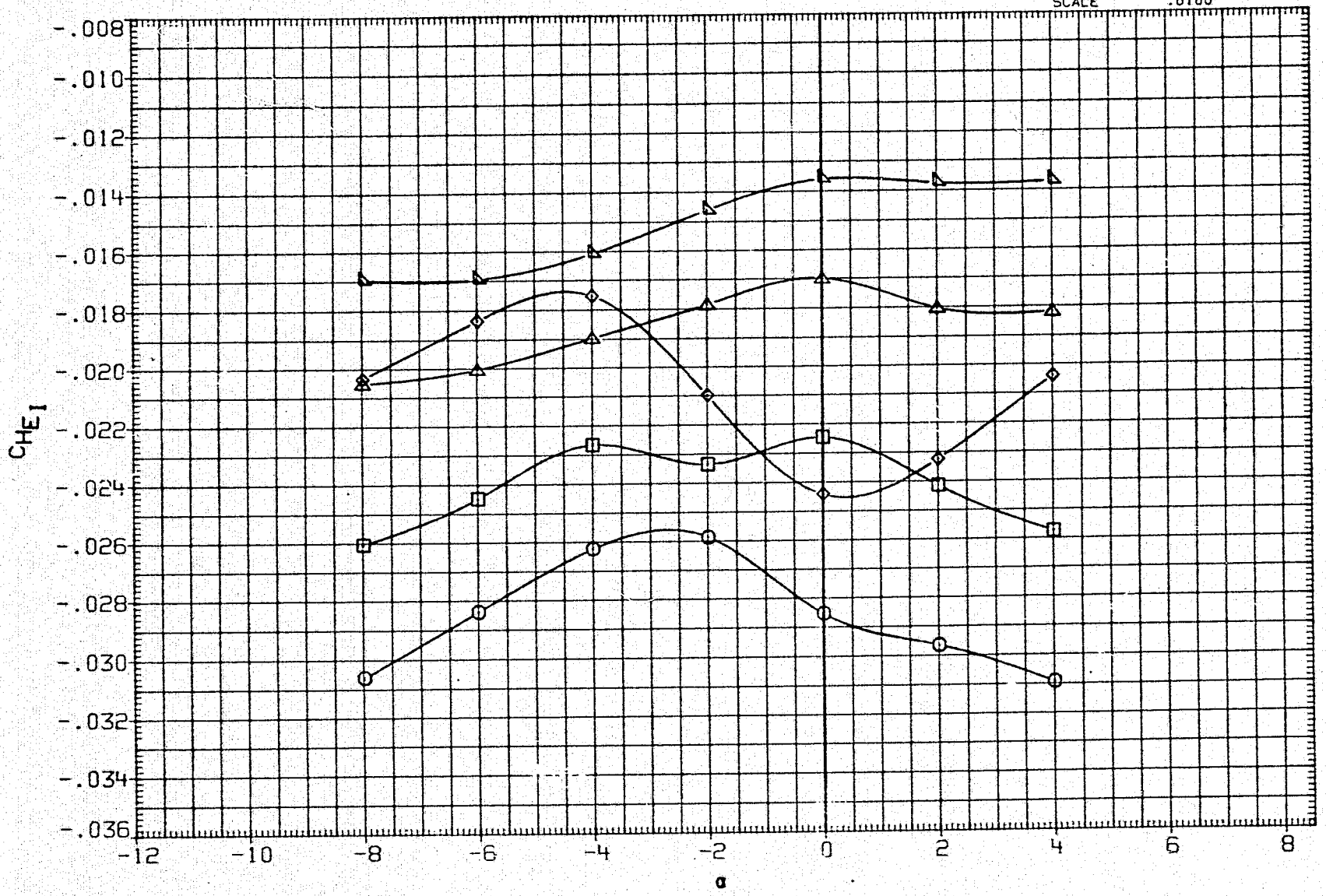


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB11	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB12	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB13	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB14	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB15	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO
-6.000	8.000	4.000	8.000	4.000
-4.000	8.000	4.000	8.000	4.000
.000	8.000	4.000	8.000	4.000
4.000	8.000	4.000	8.000	4.000
6.000	8.000	4.000	8.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
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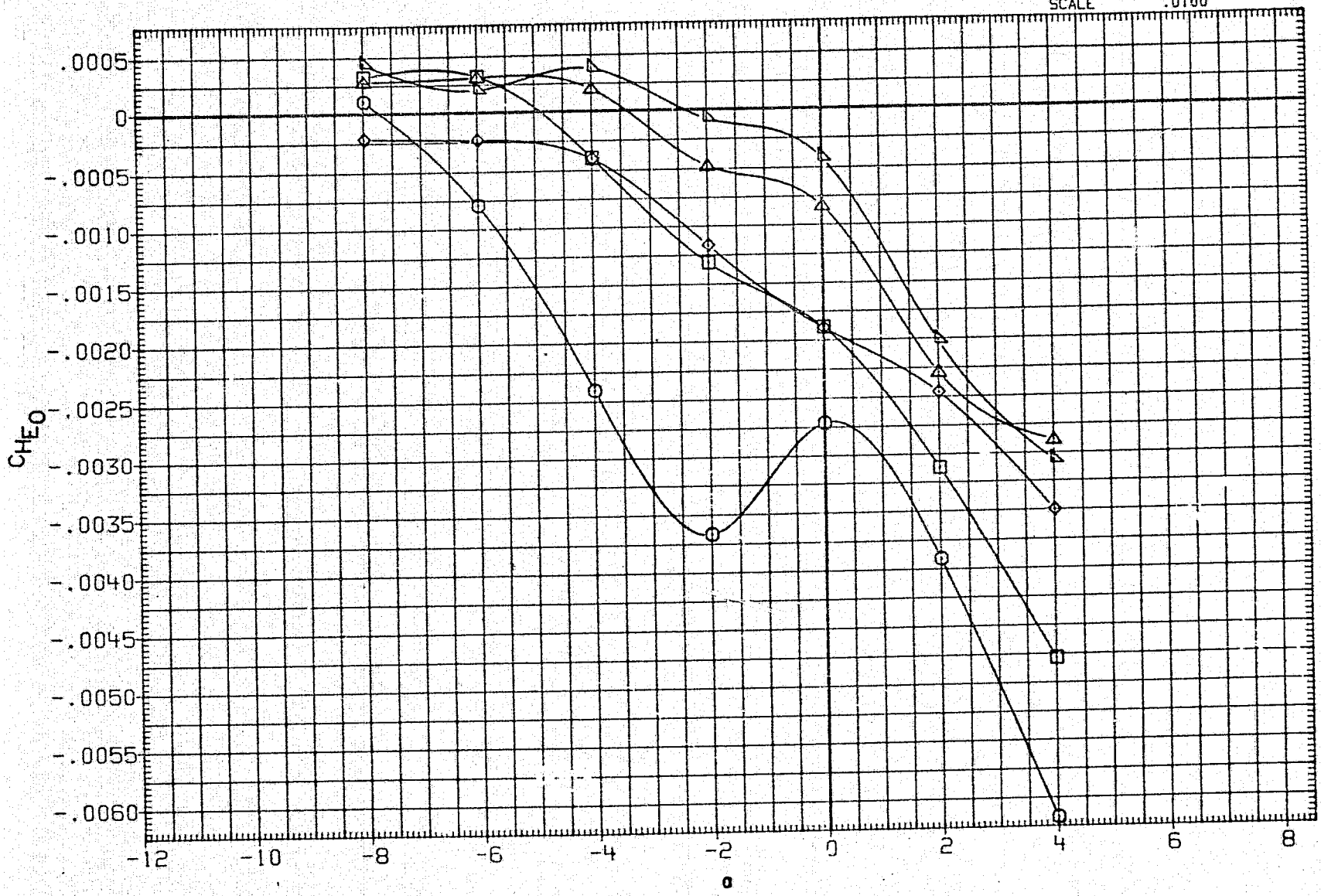


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB16	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	8.000	2.000	8.000	2.000
MJWB17	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	8.000	2.000	8.000	2.000
MJWB18	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	8.000	2.000	8.000	2.000
MJWB19	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	8.000	2.000	8.000	2.000
MJWB20	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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ZMRP	400.0000	IN. ZT
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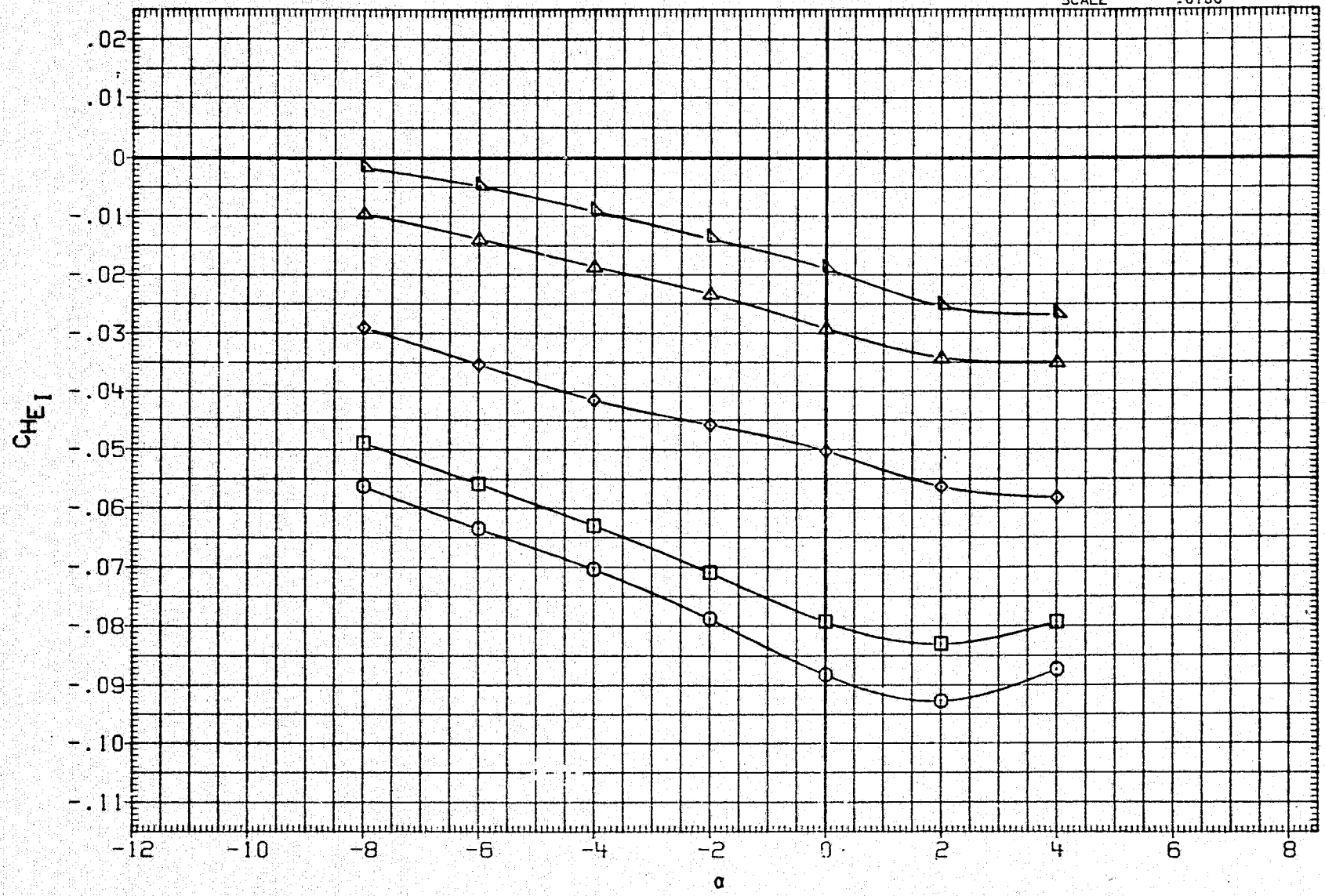


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB16	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB17	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB18	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB19	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB20	◁	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	2.000	8.000	2.000
-4.000	8.000	2.000	8.000	2.000
.000	8.000	2.000	8.000	2.000
4.000	8.000	2.000	8.000	2.000
6.000	8.000	2.000	8.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

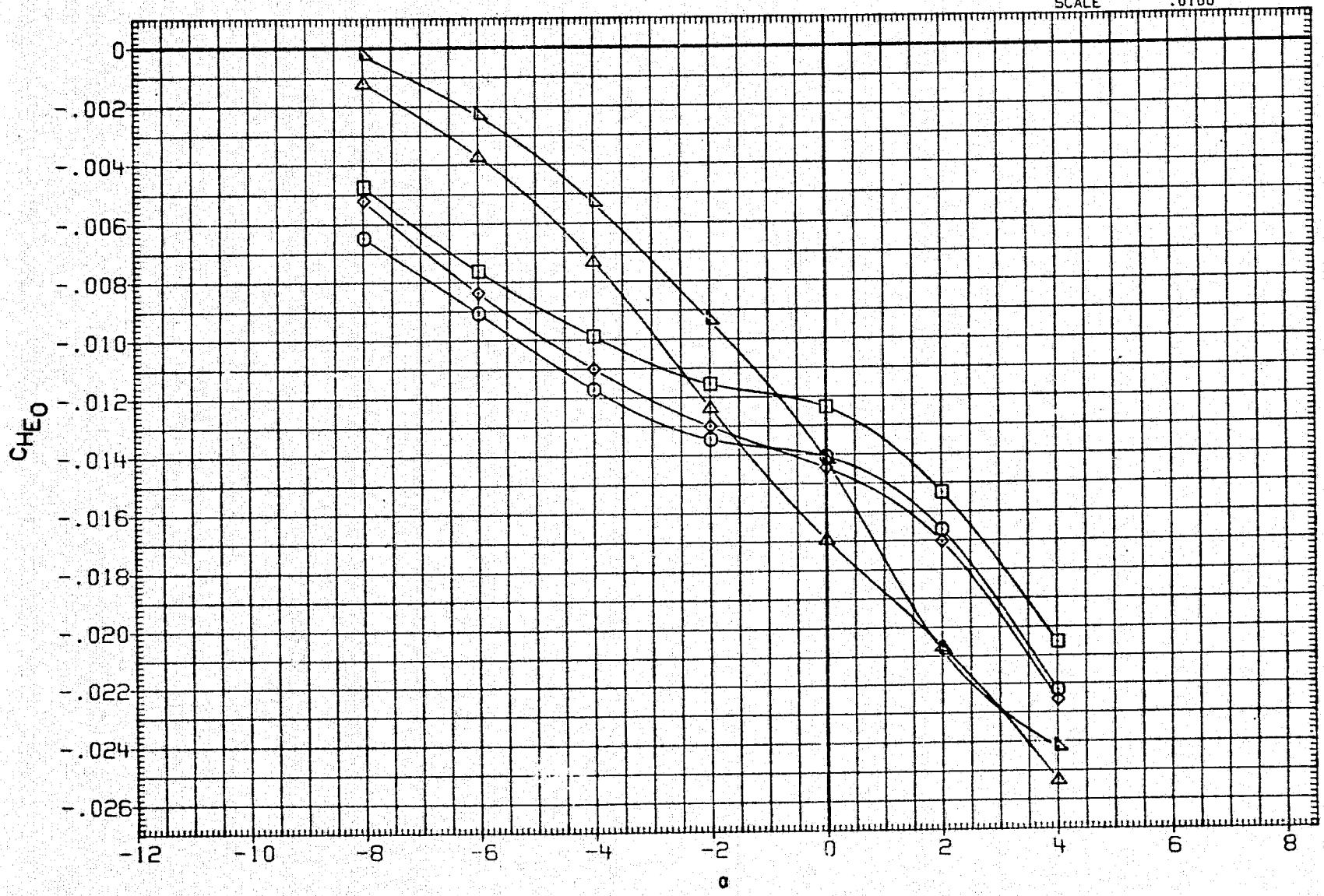


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

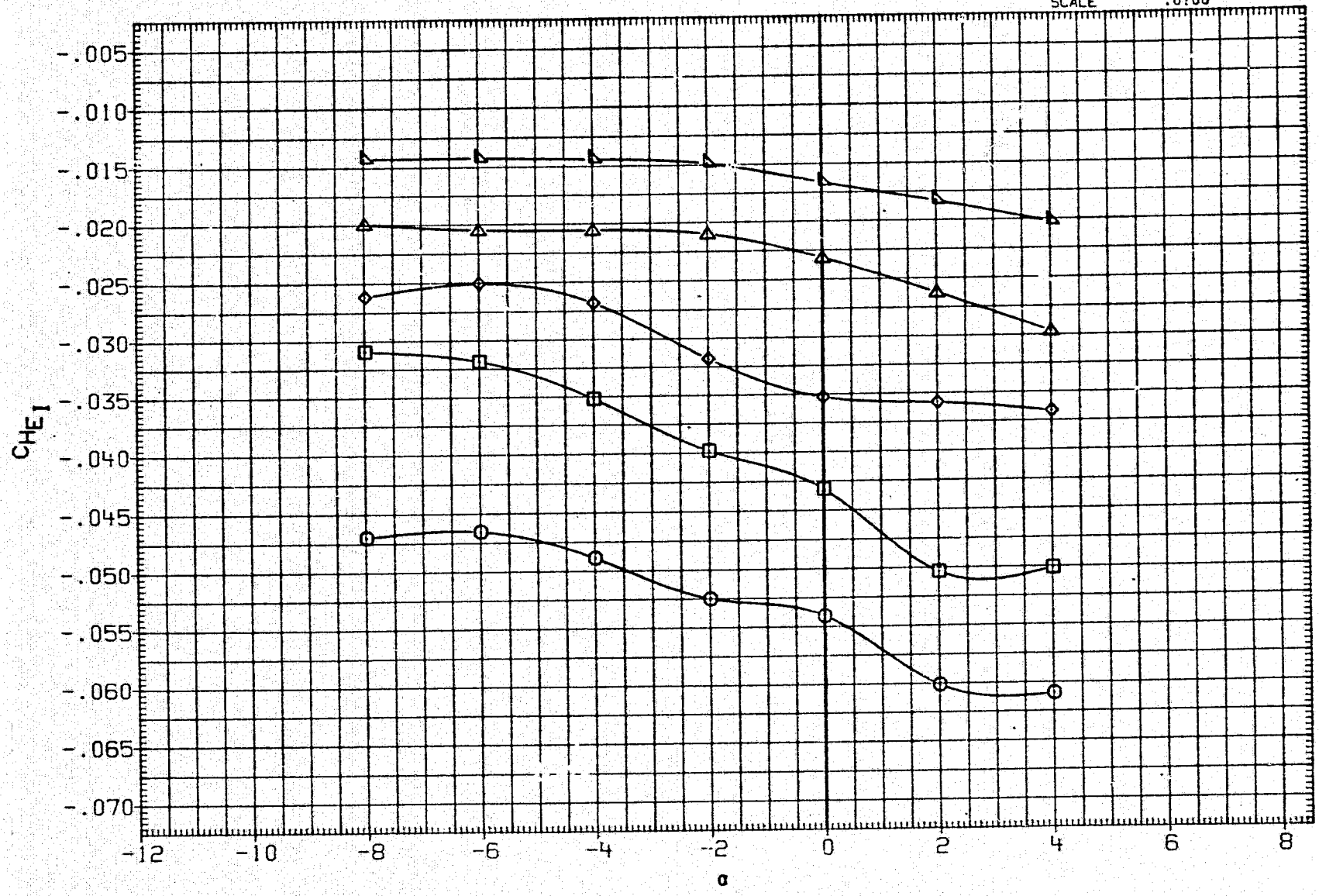


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

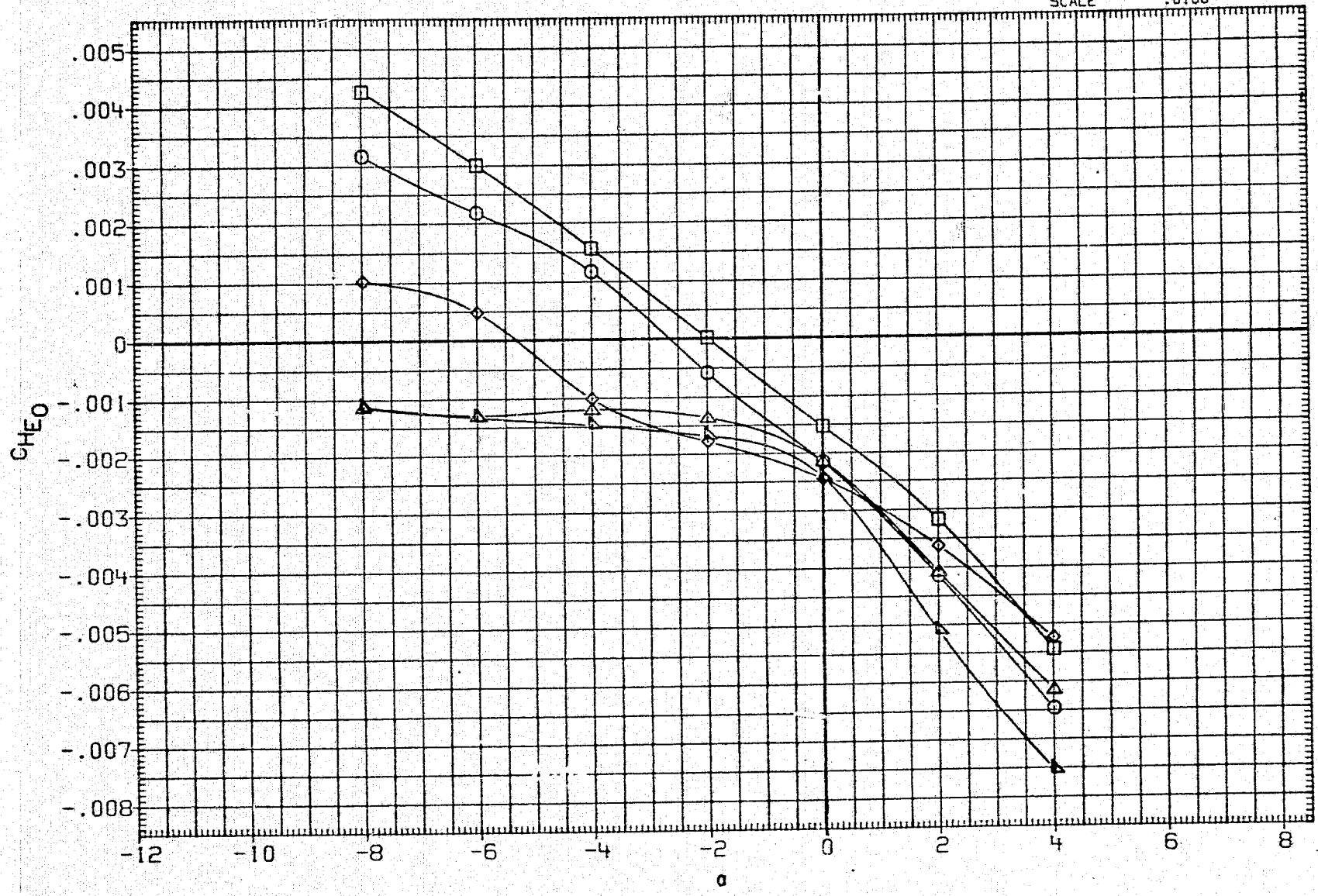


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	8.000	.000	8.000	.000
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	8.000	.000	8.000	.000
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	8.000	.000	8.000	.000
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	8.000	.000	8.000	.000
MJWB25	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

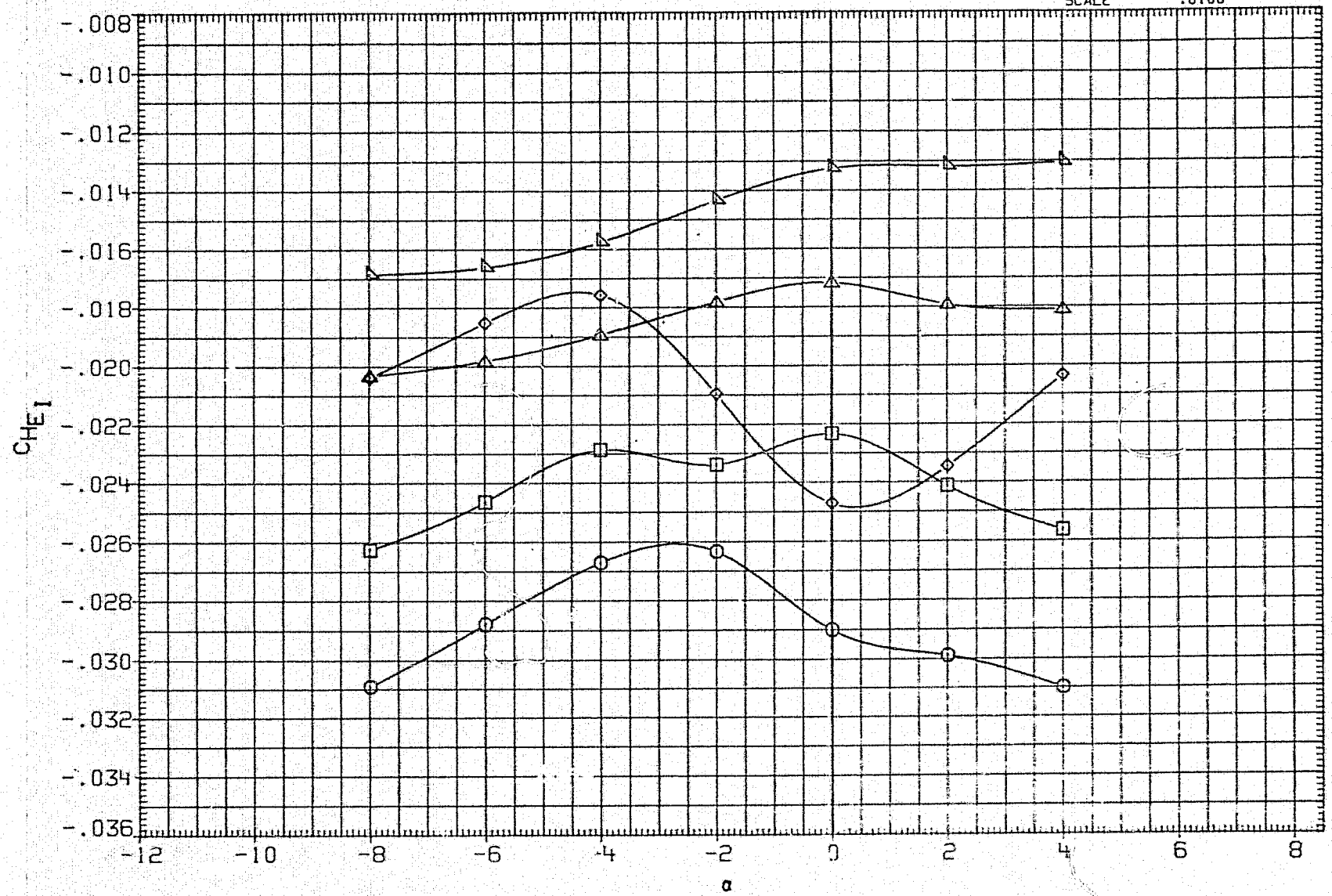


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB21	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB22	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB23	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB24	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB25	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	8.000	.000	8.000	.000
-4.000	8.000	.000	8.000	.000
.000	8.000	.000	8.000	.000
4.000	8.000	.000	8.000	.000
6.000	8.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

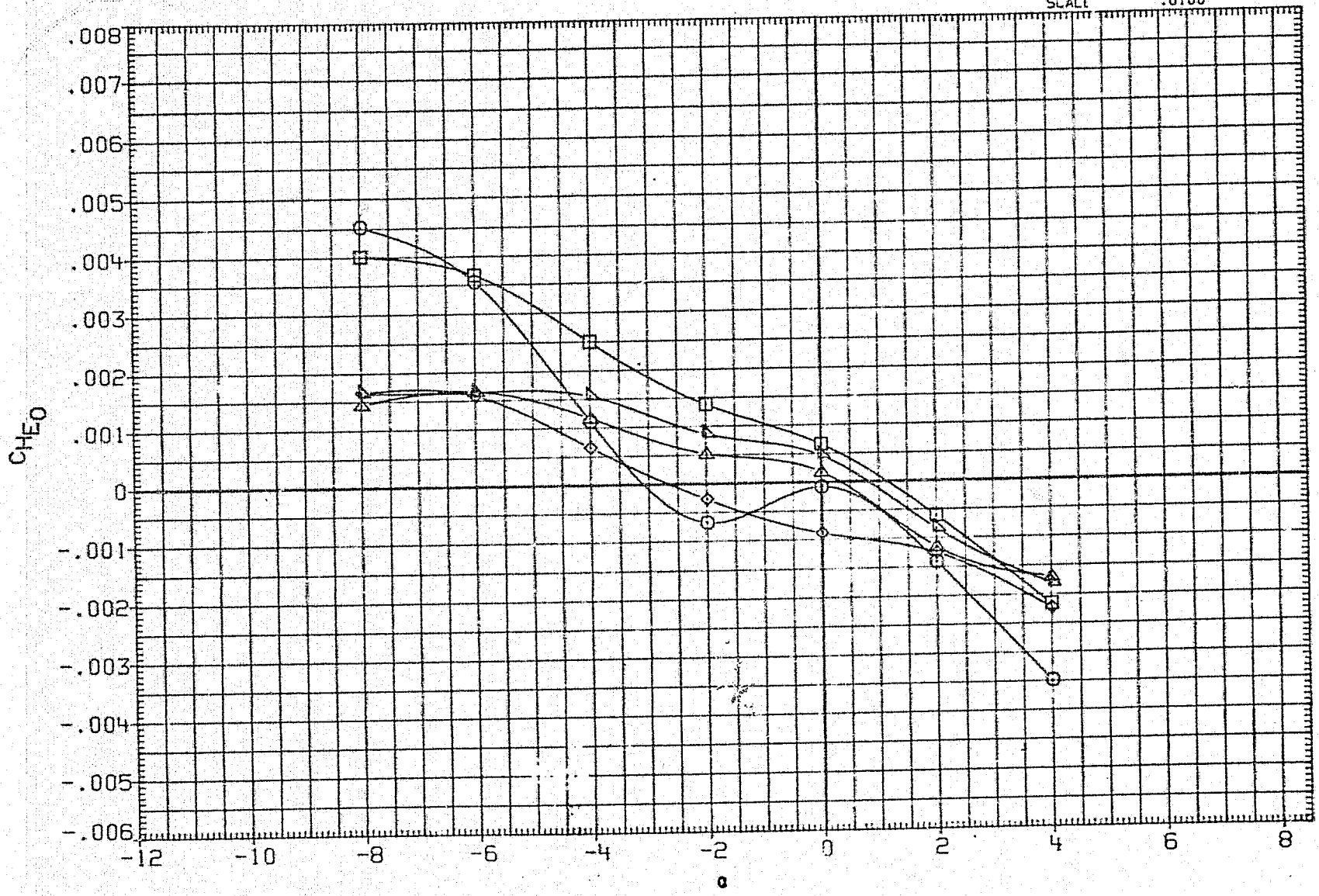


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB30	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

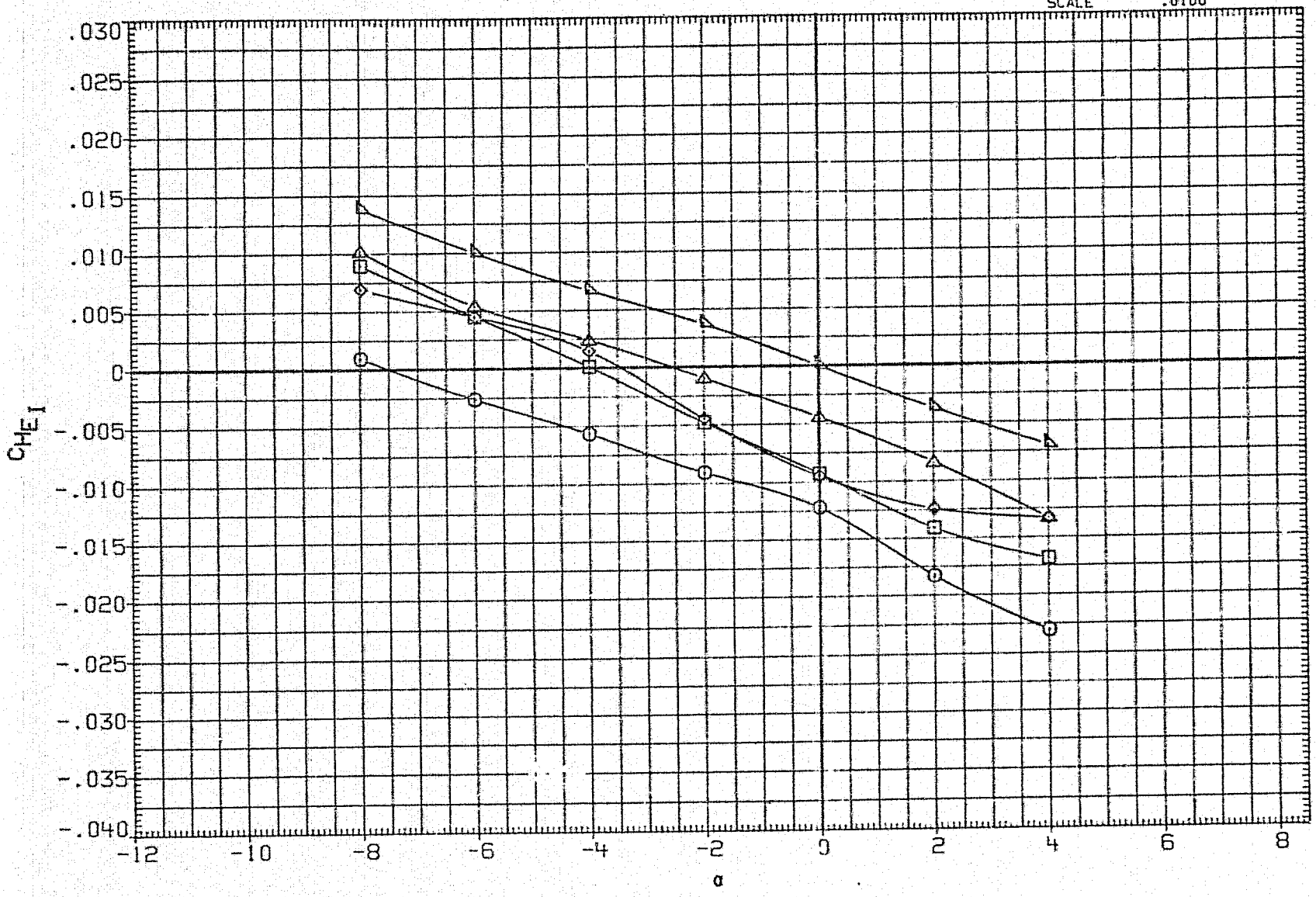


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB27	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB29	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB30	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	



FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB30	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

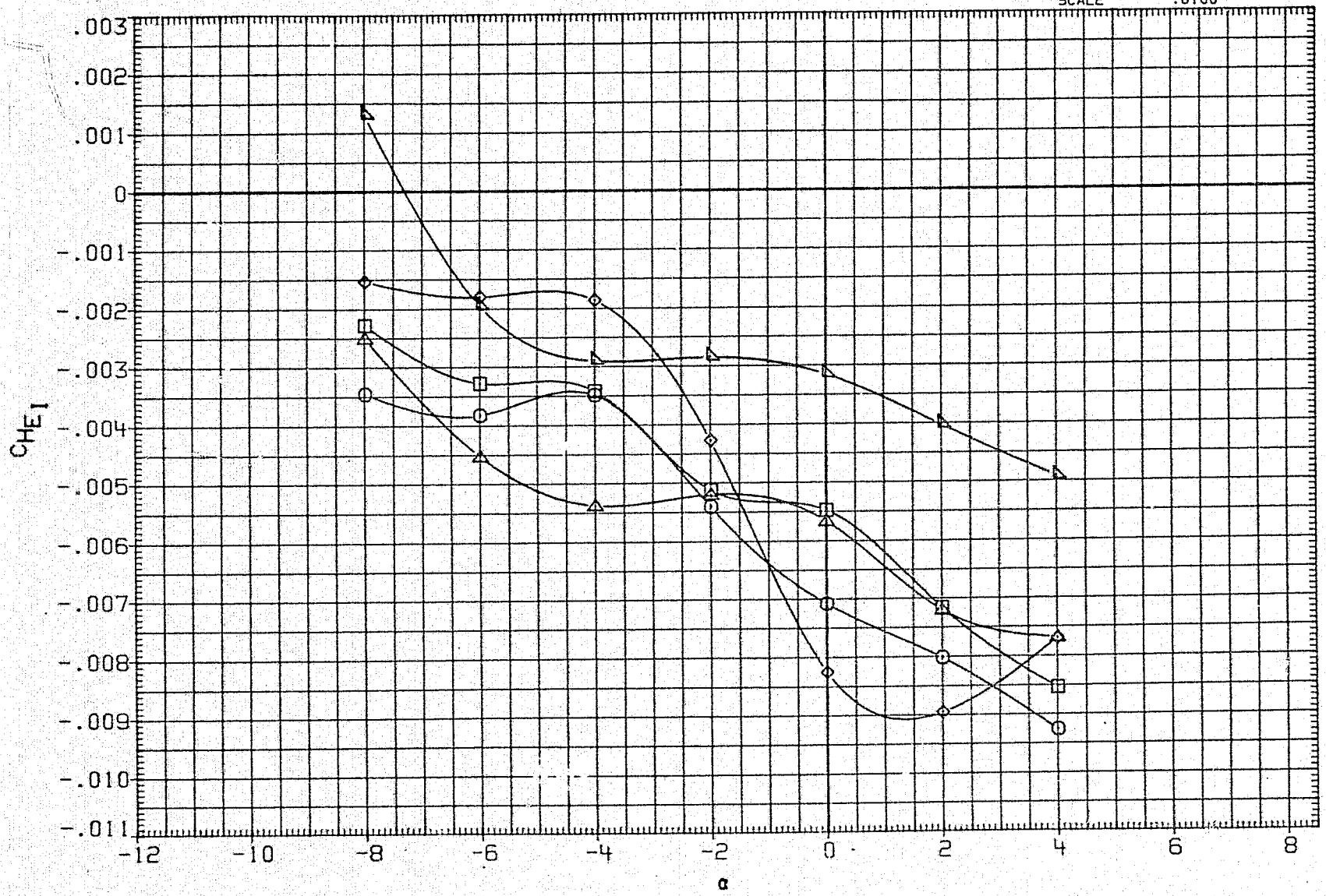


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB26	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB27	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB28	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB29	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB30	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	.000	.000	.000
-4.000	.000	.000	.000	.000
.000	.000	.000	.000	.000
4.000	.000	.000	.000	.000
6.000	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

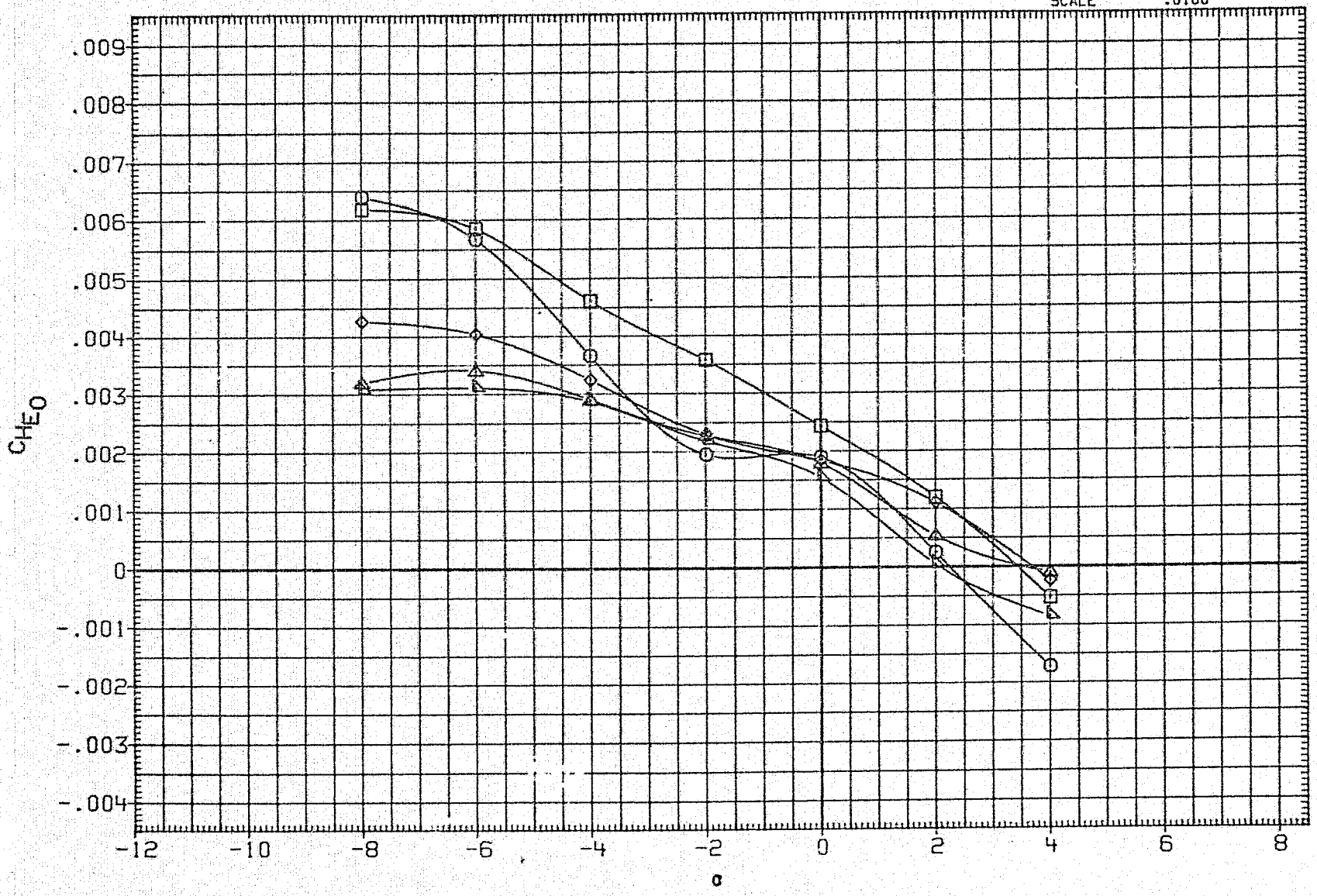


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN, XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

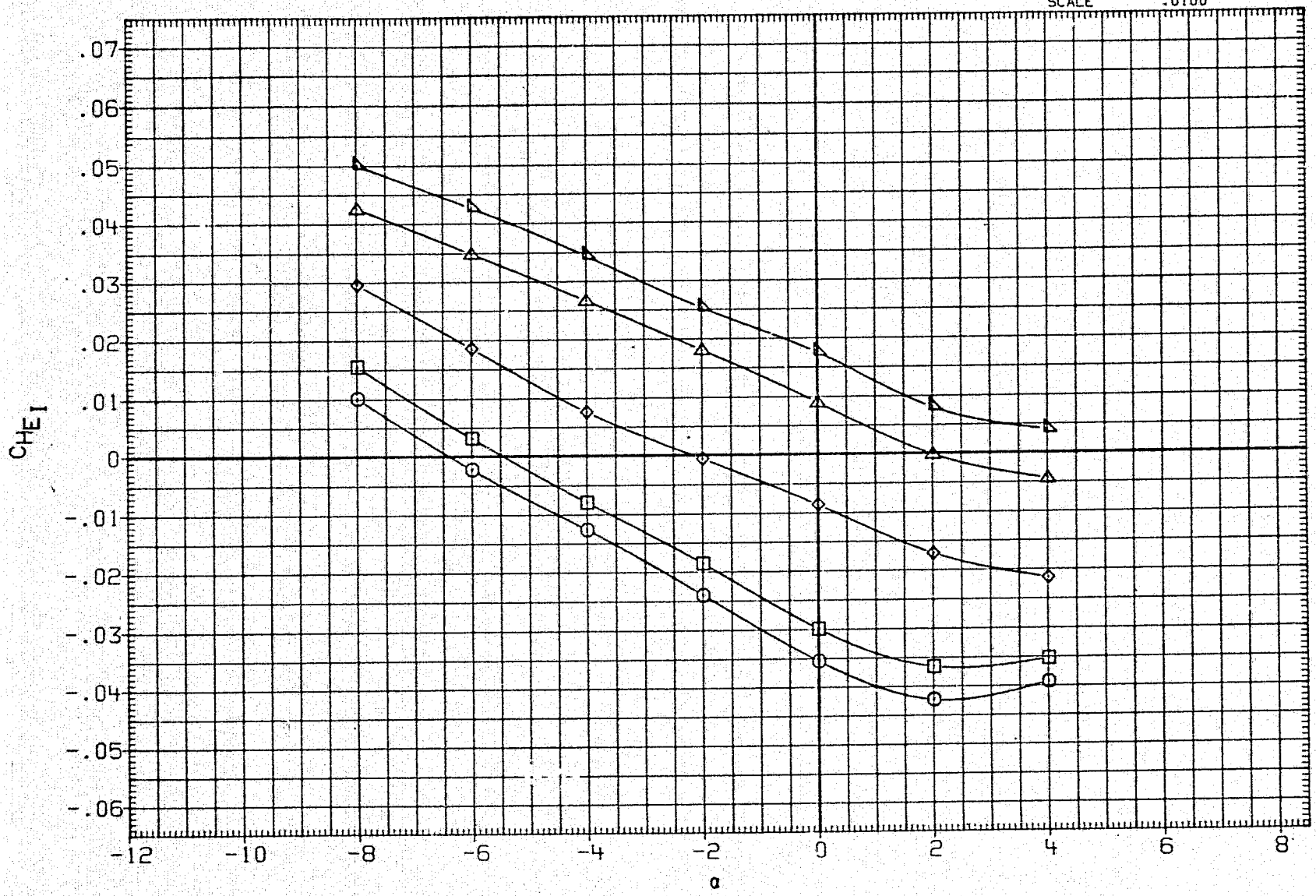


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	▽	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

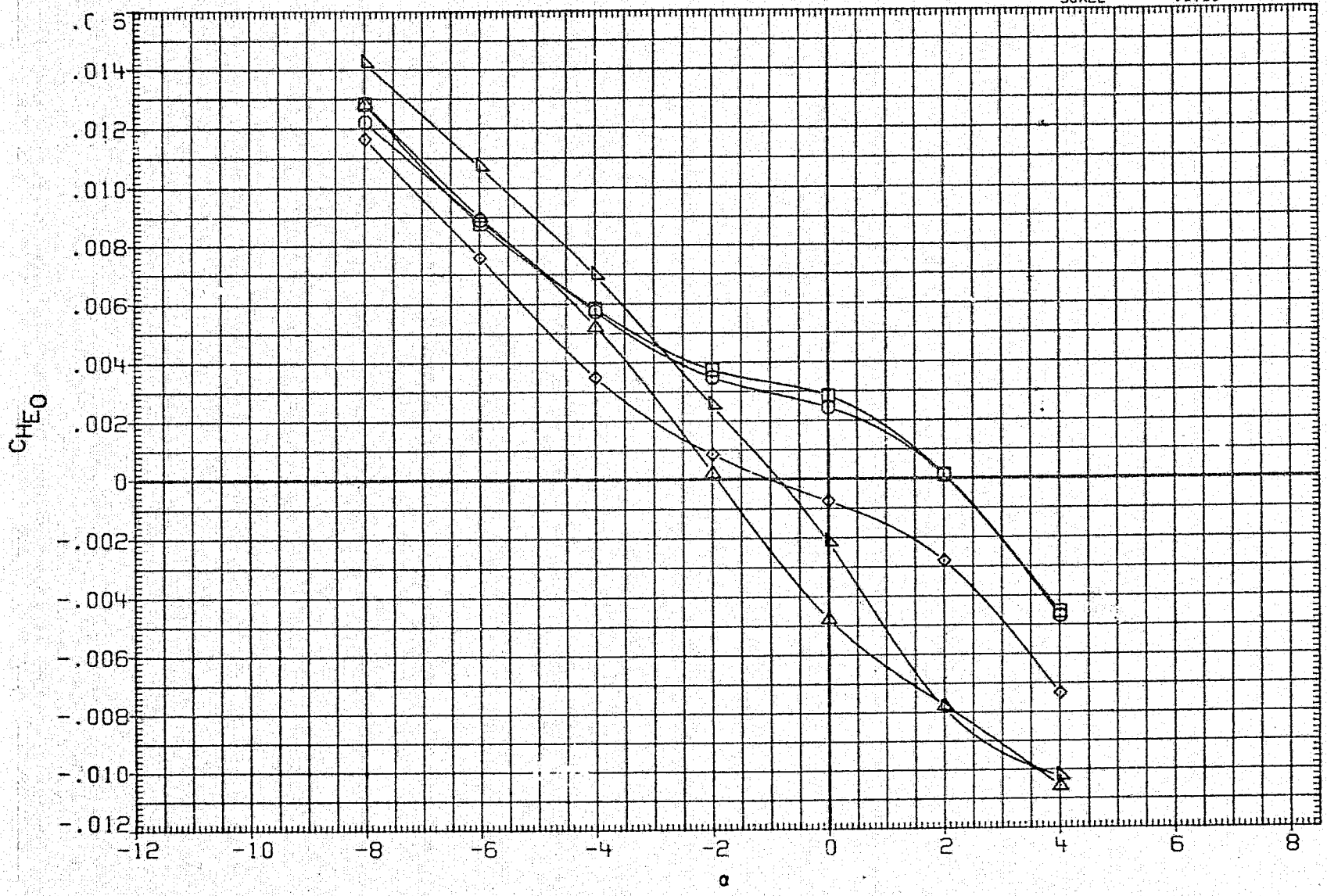


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB32	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	-5.000	.000	-5.000
MJWB33	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	-5.000	.000	-5.000
MJWB34	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	-5.000	.000	-5.000
MJWB35	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	-5.000	.000	-5.000
MJWB36	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

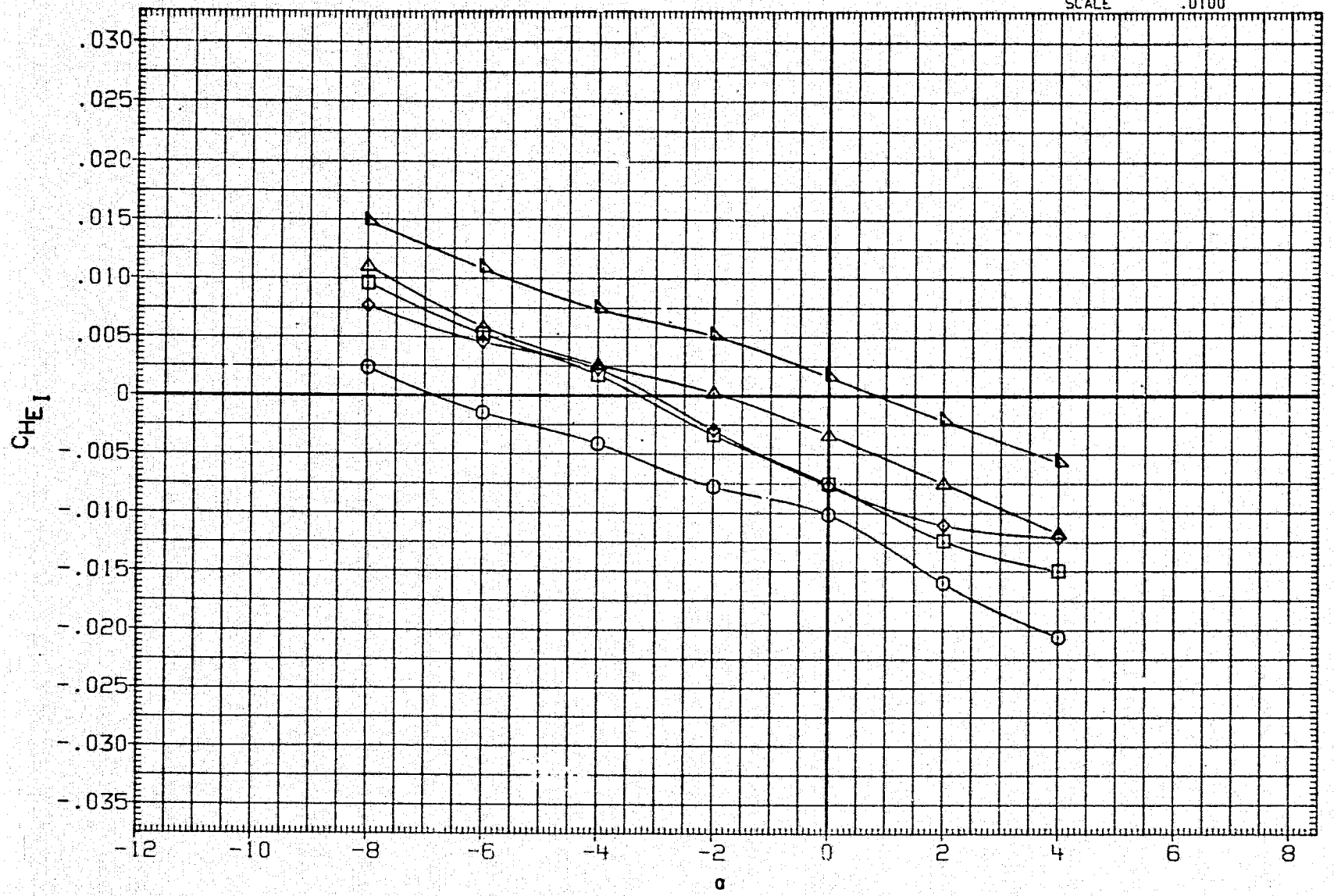


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

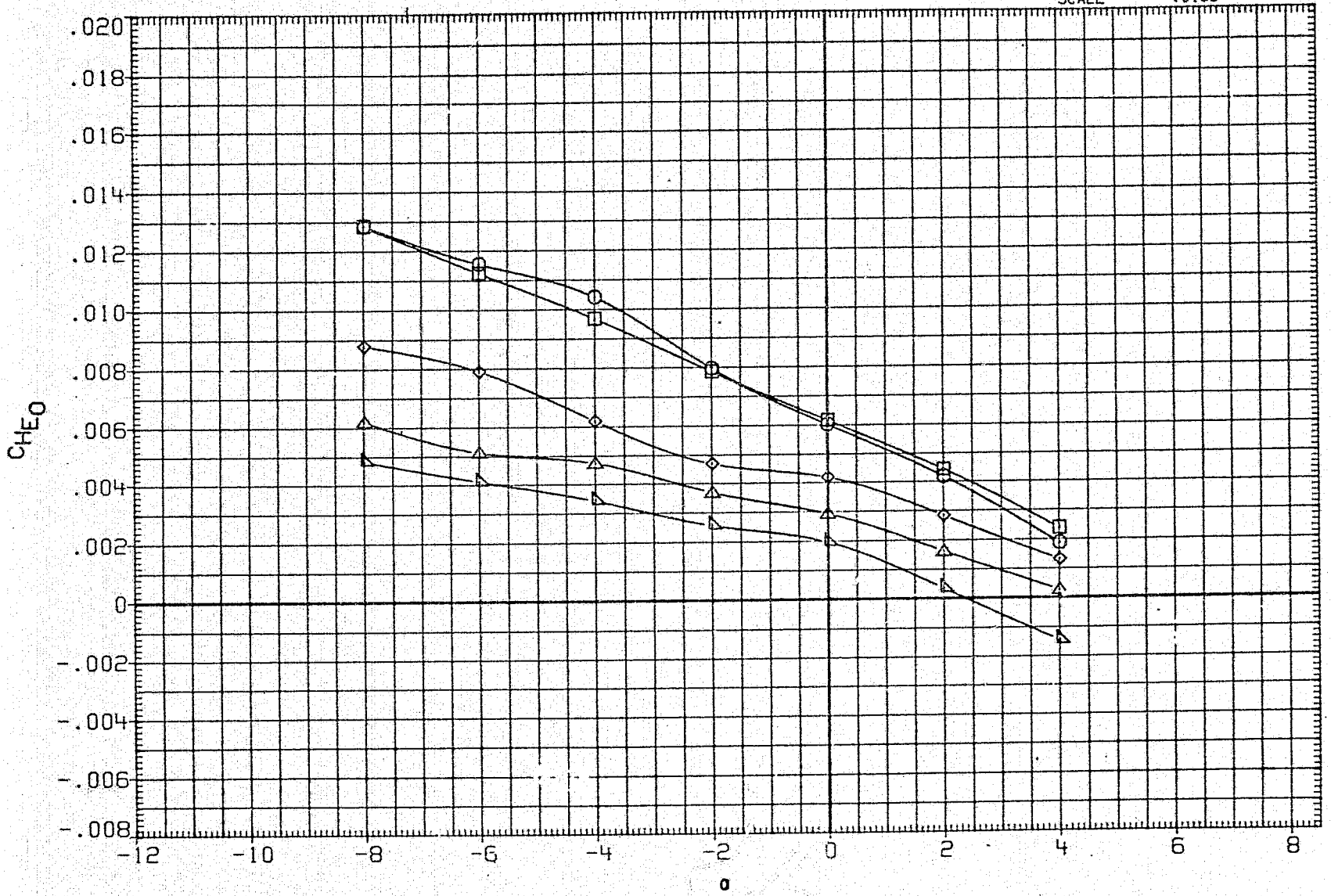


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

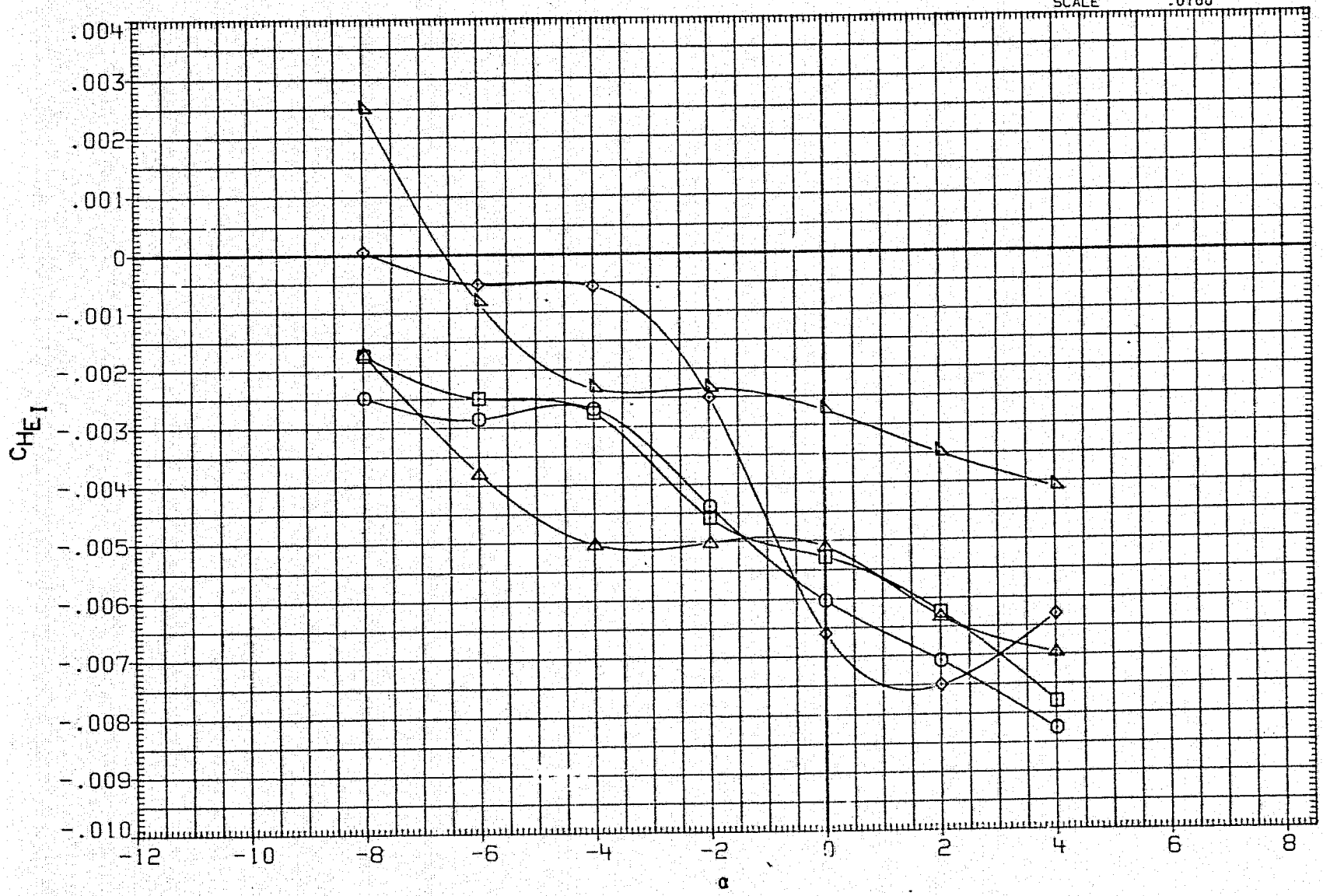


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB32	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB33	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB34	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB35	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB36	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-5.000	.000	-5.000
-4.000	.000	-5.000	.000	-5.000
.000	.000	-5.000	.000	-5.000
4.000	.000	-5.000	.000	-5.000
6.000	.000	-5.000	.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

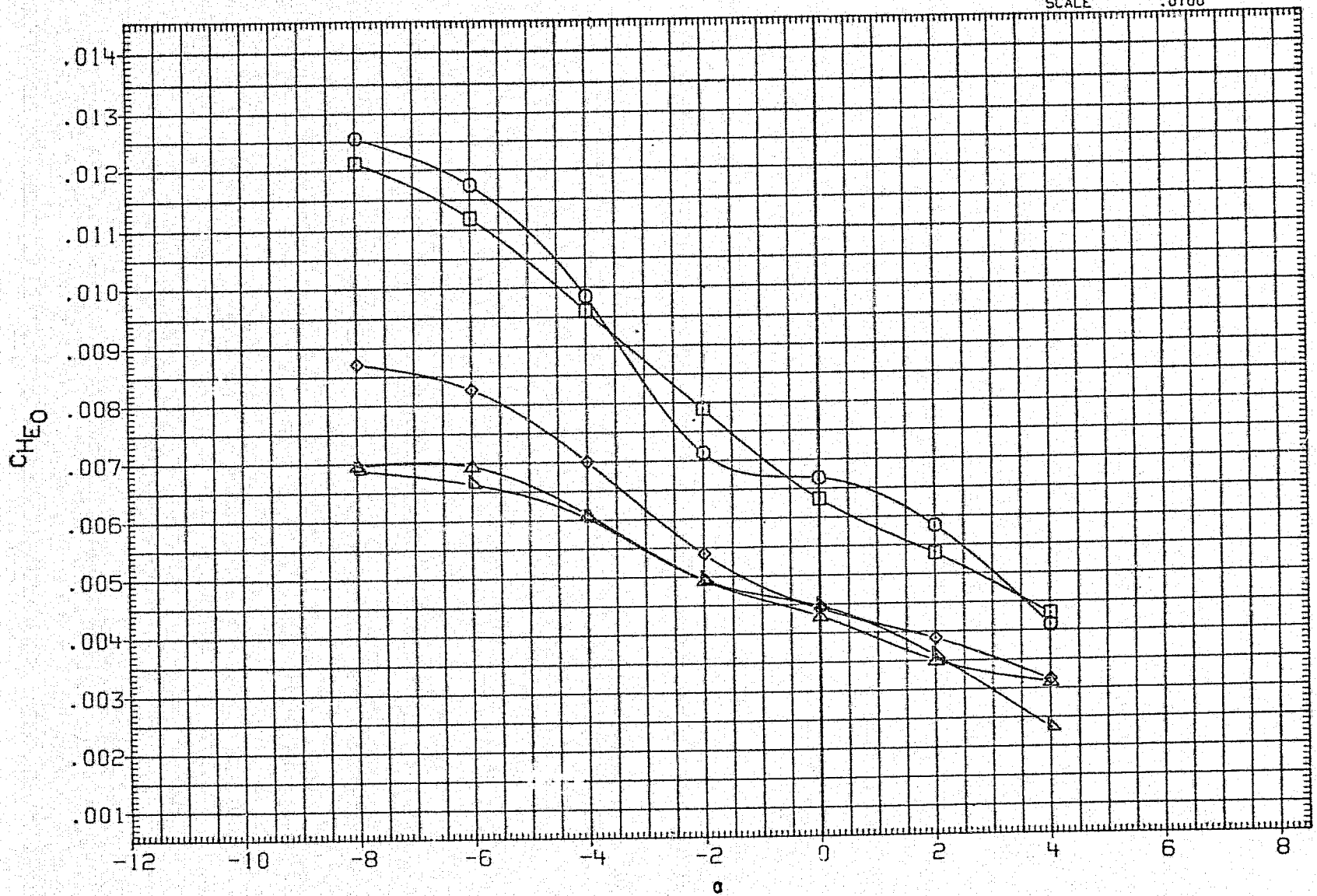


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB38	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB40	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB41	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

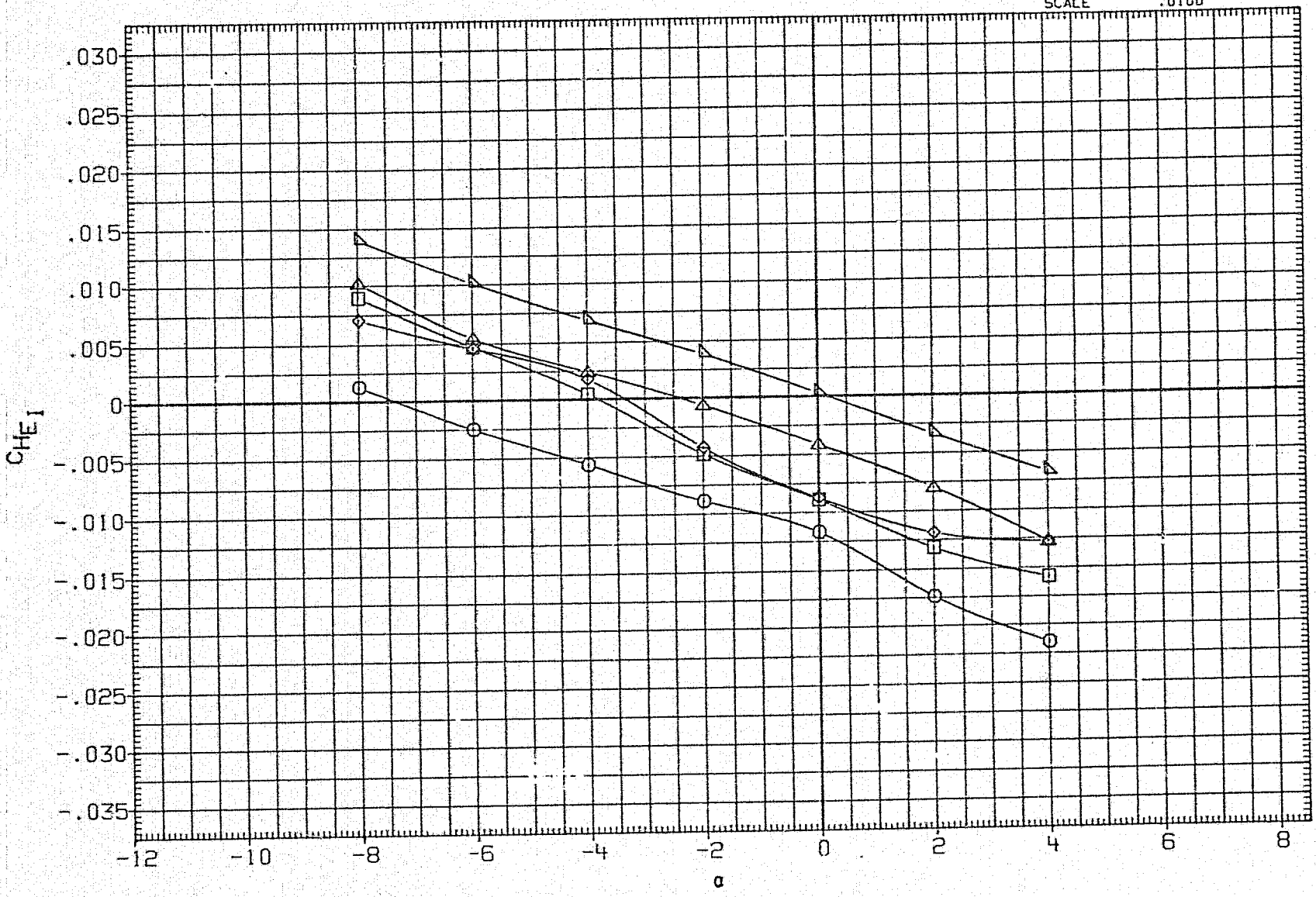


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	4.000	.000	4.000
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	4.000	.000	4.000
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	4.000	.000	4.000
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	4.000	.000	4.000
MJWB41	◁	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

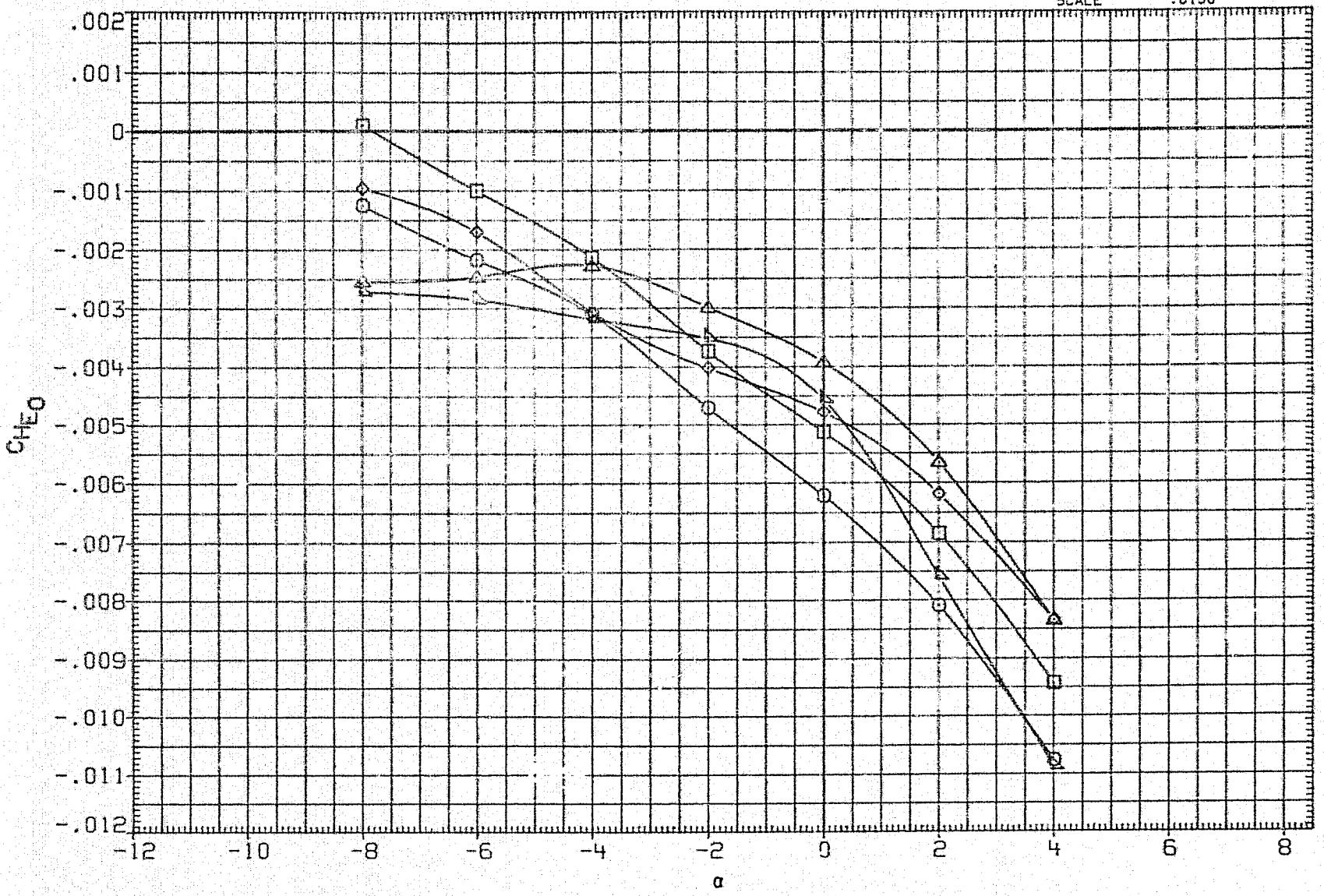


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB41	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

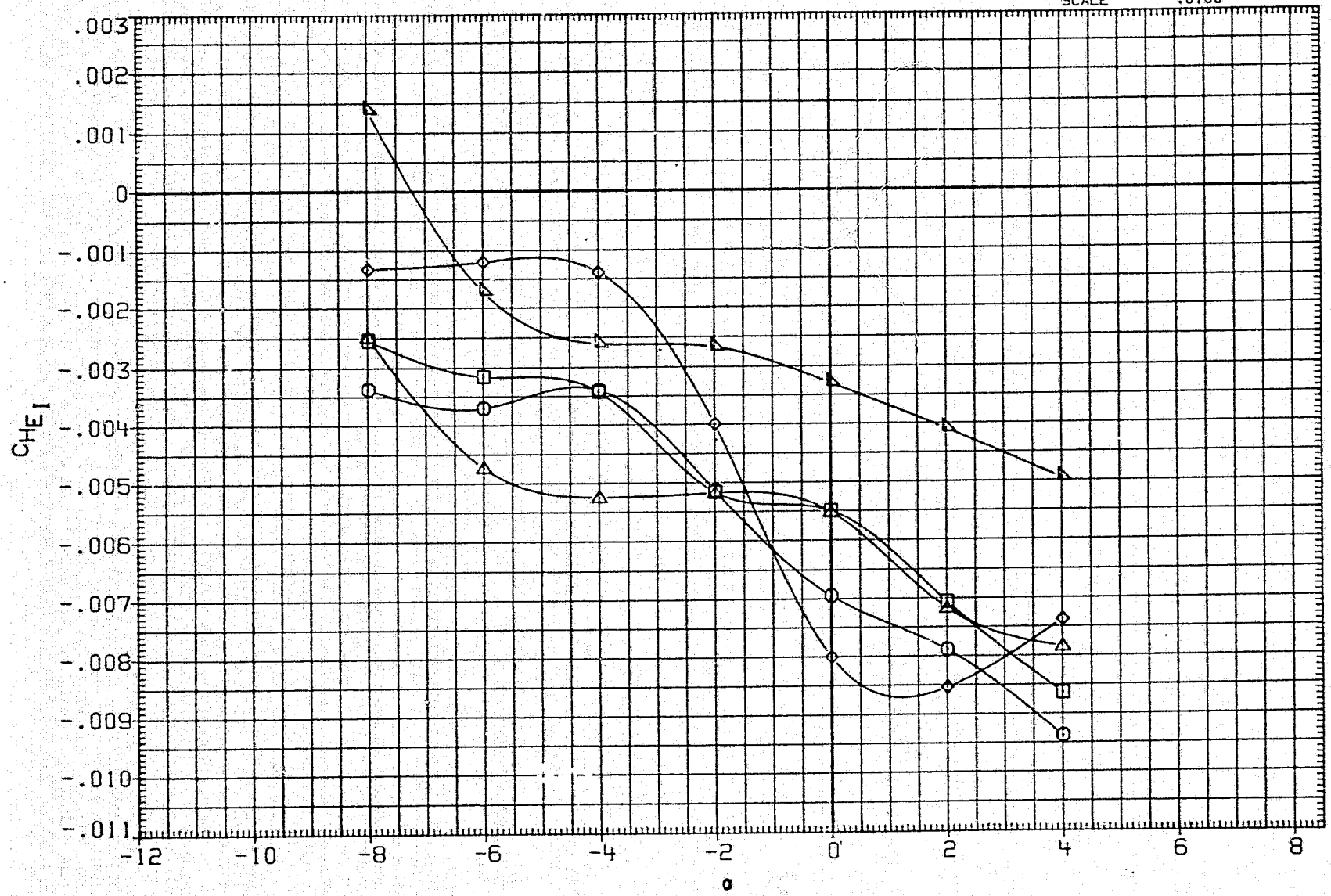


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB37	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB38	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB39	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB40	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB41	▽	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	4.000	.000	4.000
-4.000	.000	4.000	.000	4.000
.000	.000	4.000	.000	4.000
4.000	.000	4.000	.000	4.000
6.000	.000	4.000	.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

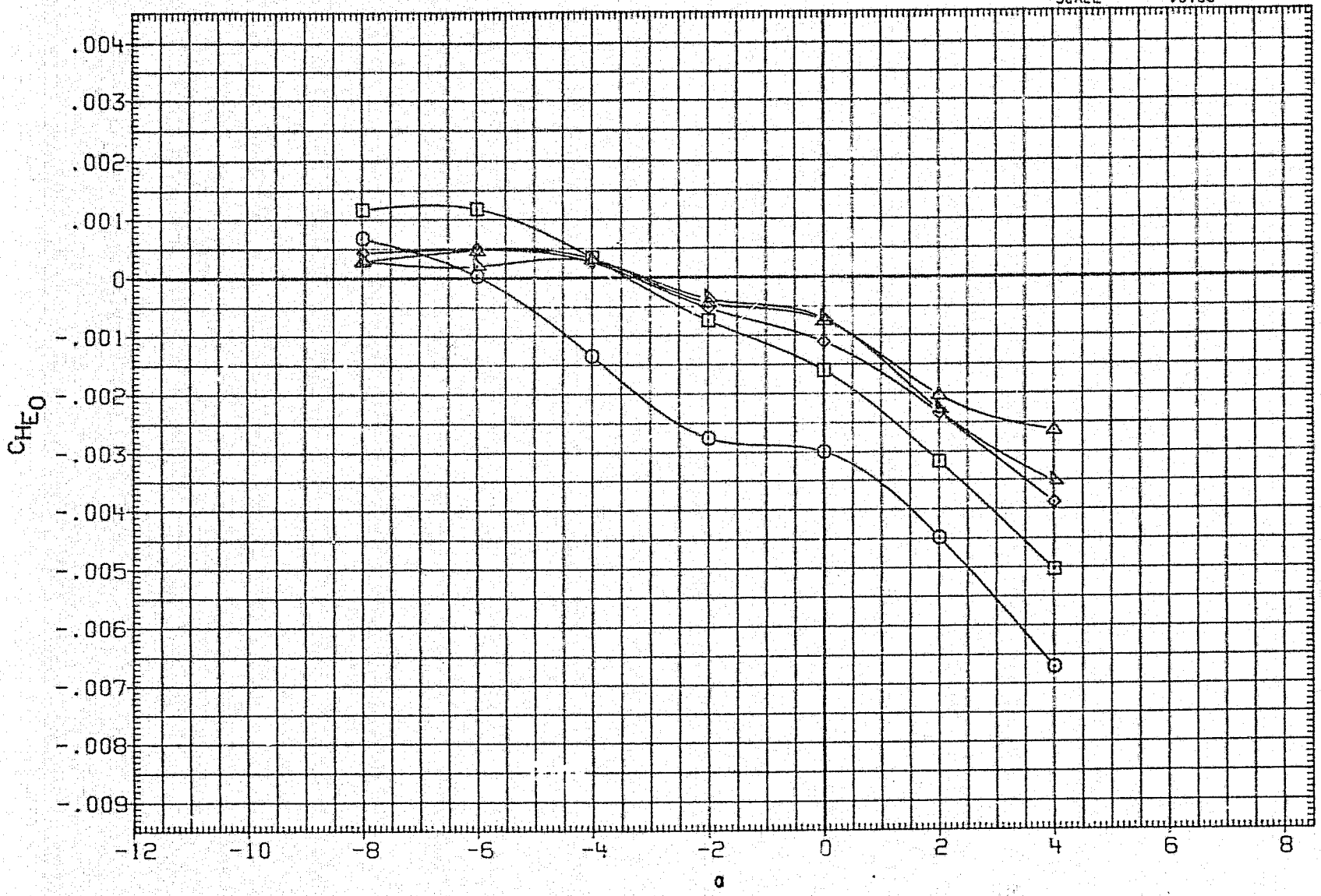


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB42	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	.000	2.000	.000	2.000
MJWB43	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	.000	2.000	.000	2.000
MJWB44	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	.000	2.000	.000	2.000
MJWB45	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	.000	2.000	.000	2.000
MJWB46	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

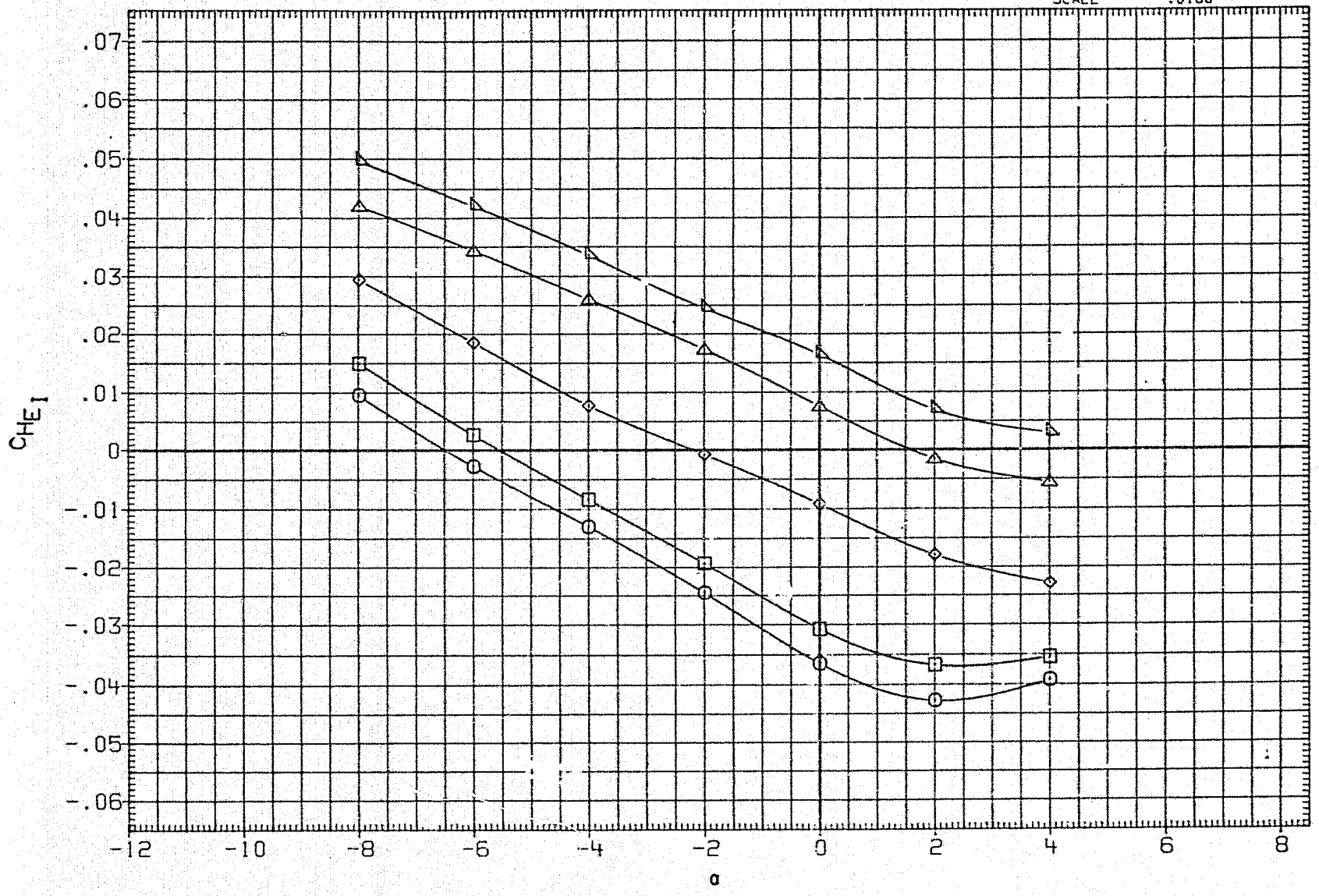


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB42	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB43	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB44	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB45	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB46	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	2.000	.000	2.000
-4.000	.000	2.000	.000	2.000
.000	.000	2.000	.000	2.000
4.000	.000	2.000	.000	2.000
6.000	.000	2.000	.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

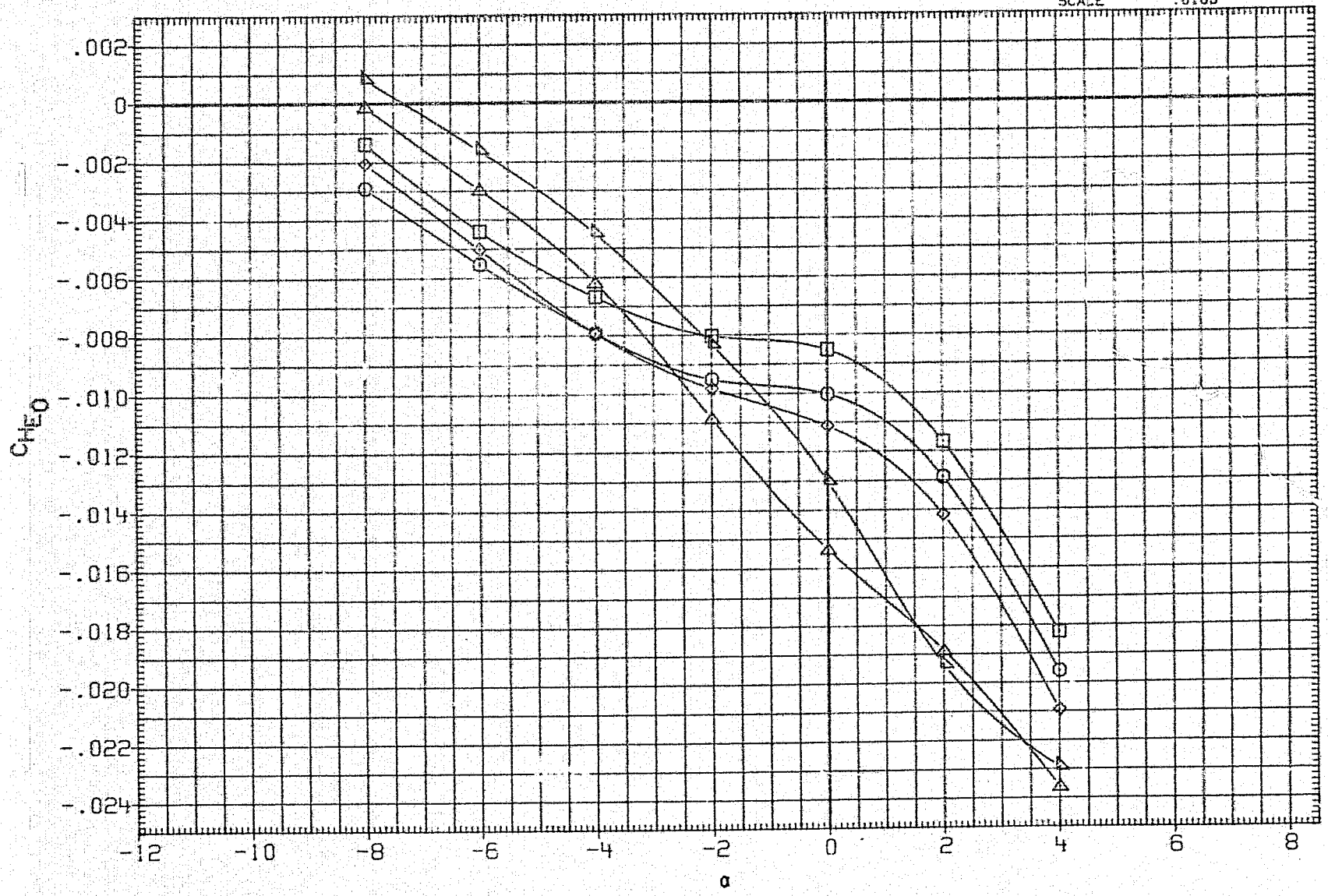


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB47	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB48	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB49	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB50	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB51	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

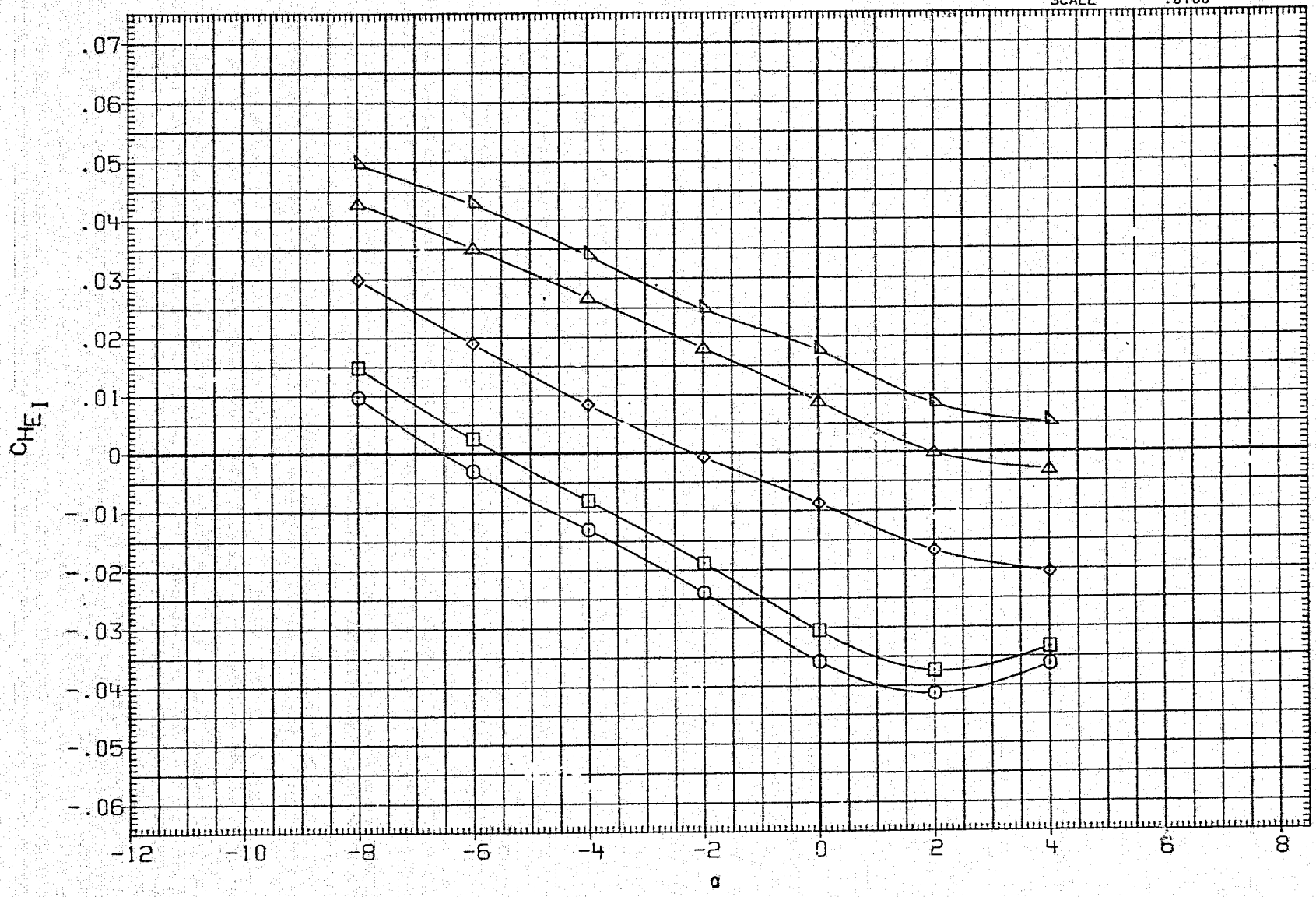


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB47	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB48	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB49	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB50	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB51	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	.000	-10.000	.000	-10.000
-4.000	.000	-10.000	.000	-10.000
.000	.000	-10.000	.000	-10.000
4.000	.000	-10.000	.000	-10.000
6.000	.000	-10.000	.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

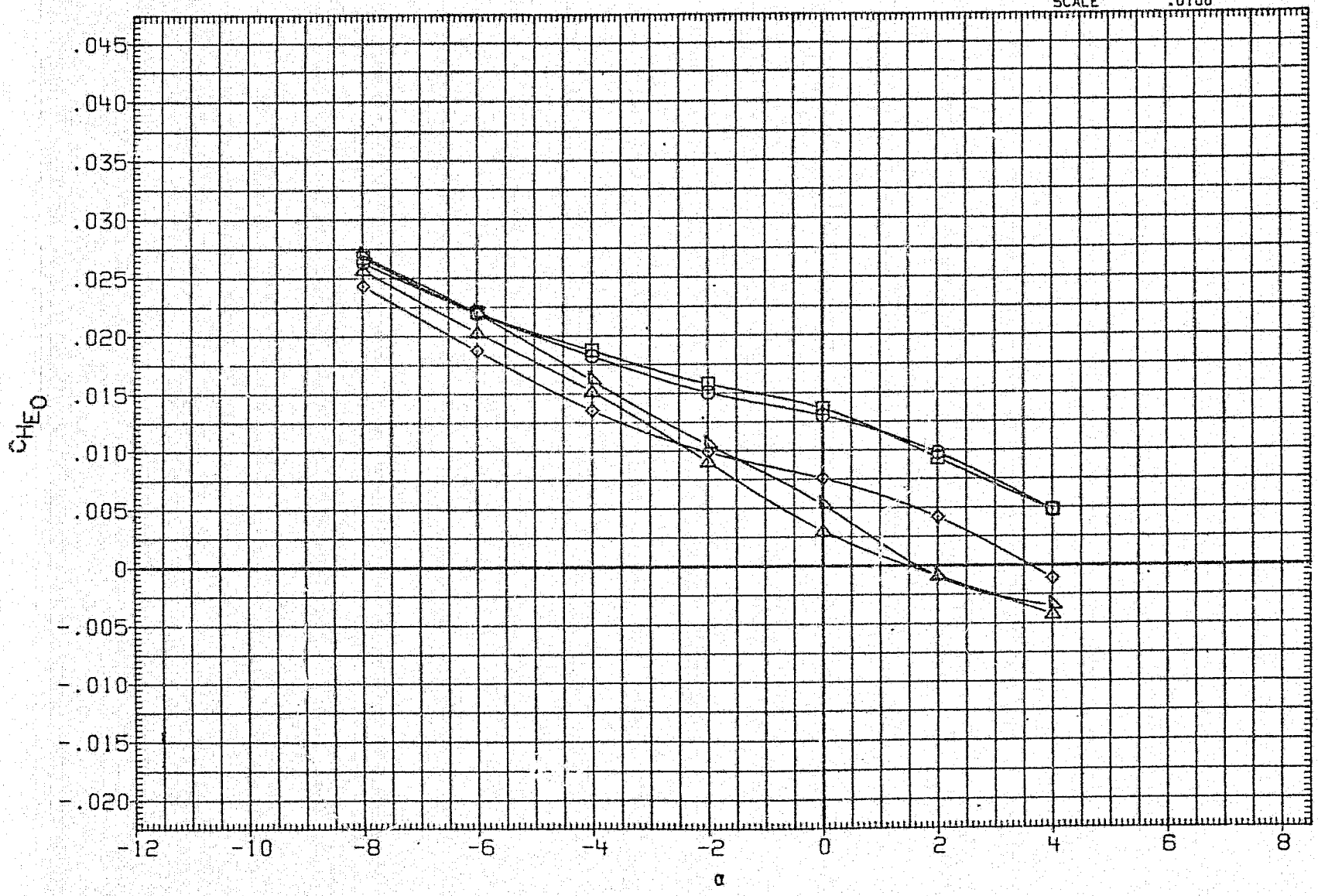


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB53	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB54	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB55	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB56	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

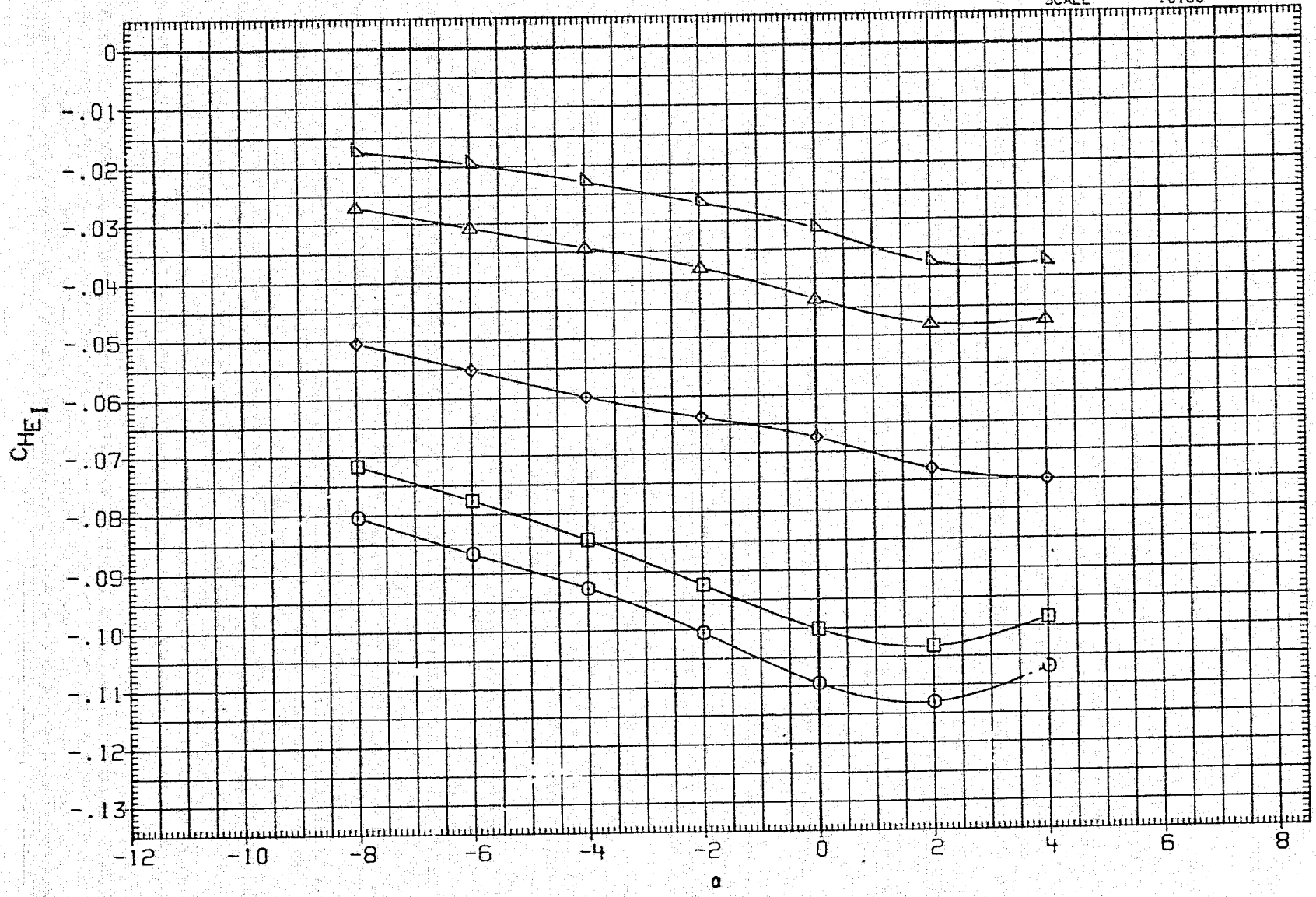


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB52	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB53	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB54	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB55	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB56	▷	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-10.000	12.000	-10.000
-4.000	12.000	-10.000	12.000	-10.000
.000	12.000	-10.000	12.000	-10.000
4.000	12.000	-10.000	12.000	-10.000
6.000	12.000	-10.000	12.000	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

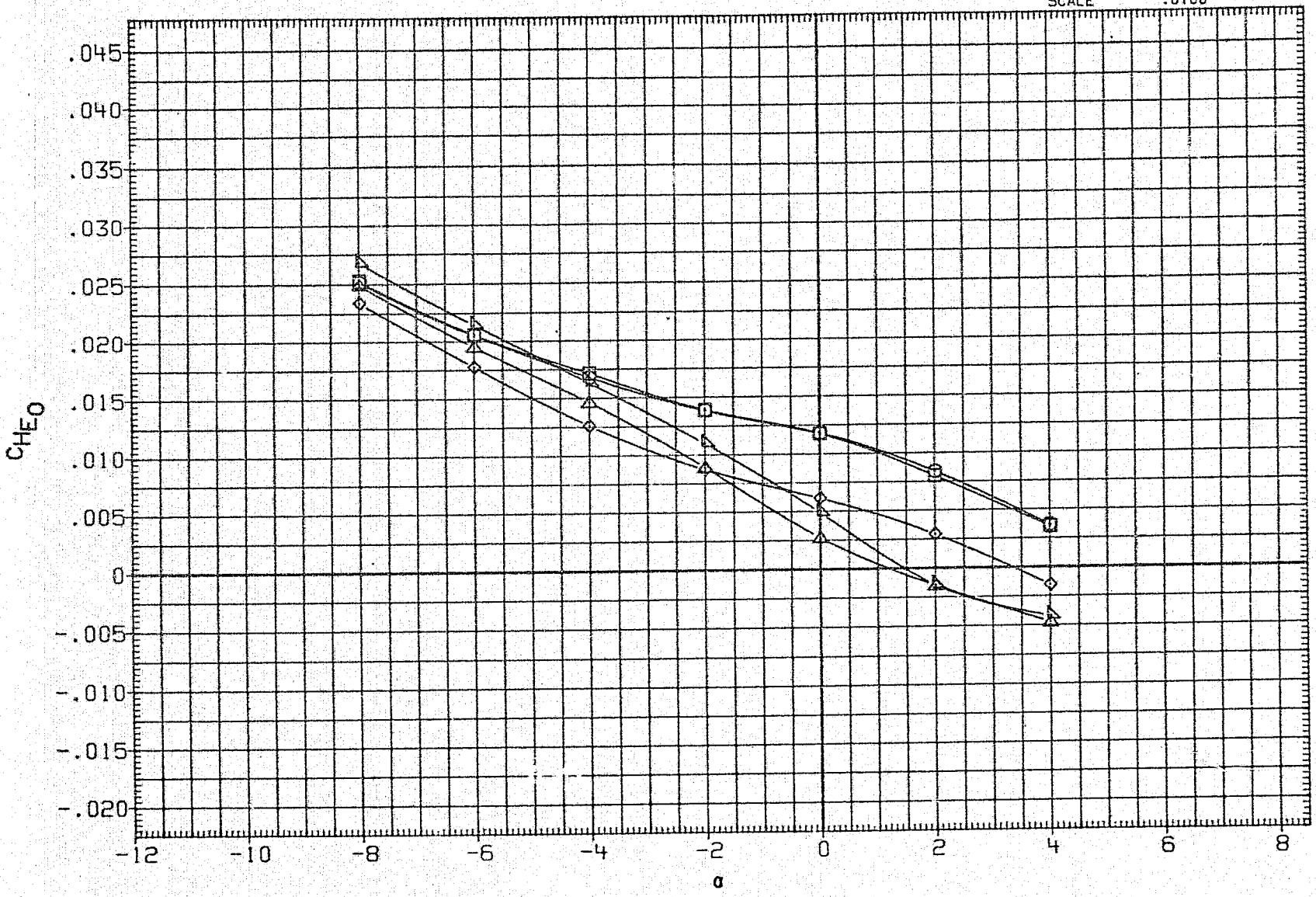


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJW857	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000
MJW858	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000
MJW859	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	-5.000	12.000	-5.000
MJW860	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	-5.000	12.000	-5.000
MJW861	▽	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

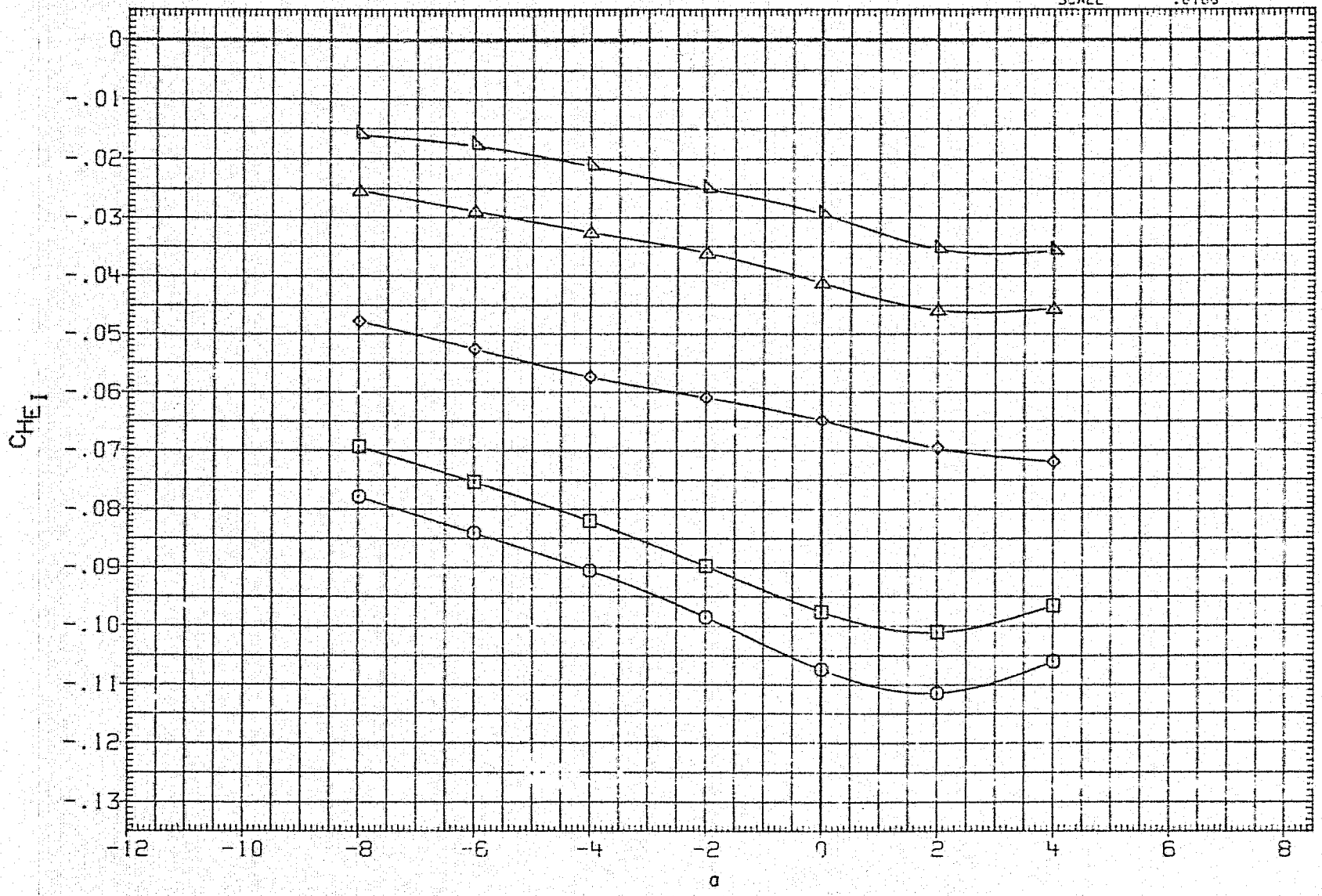


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
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BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

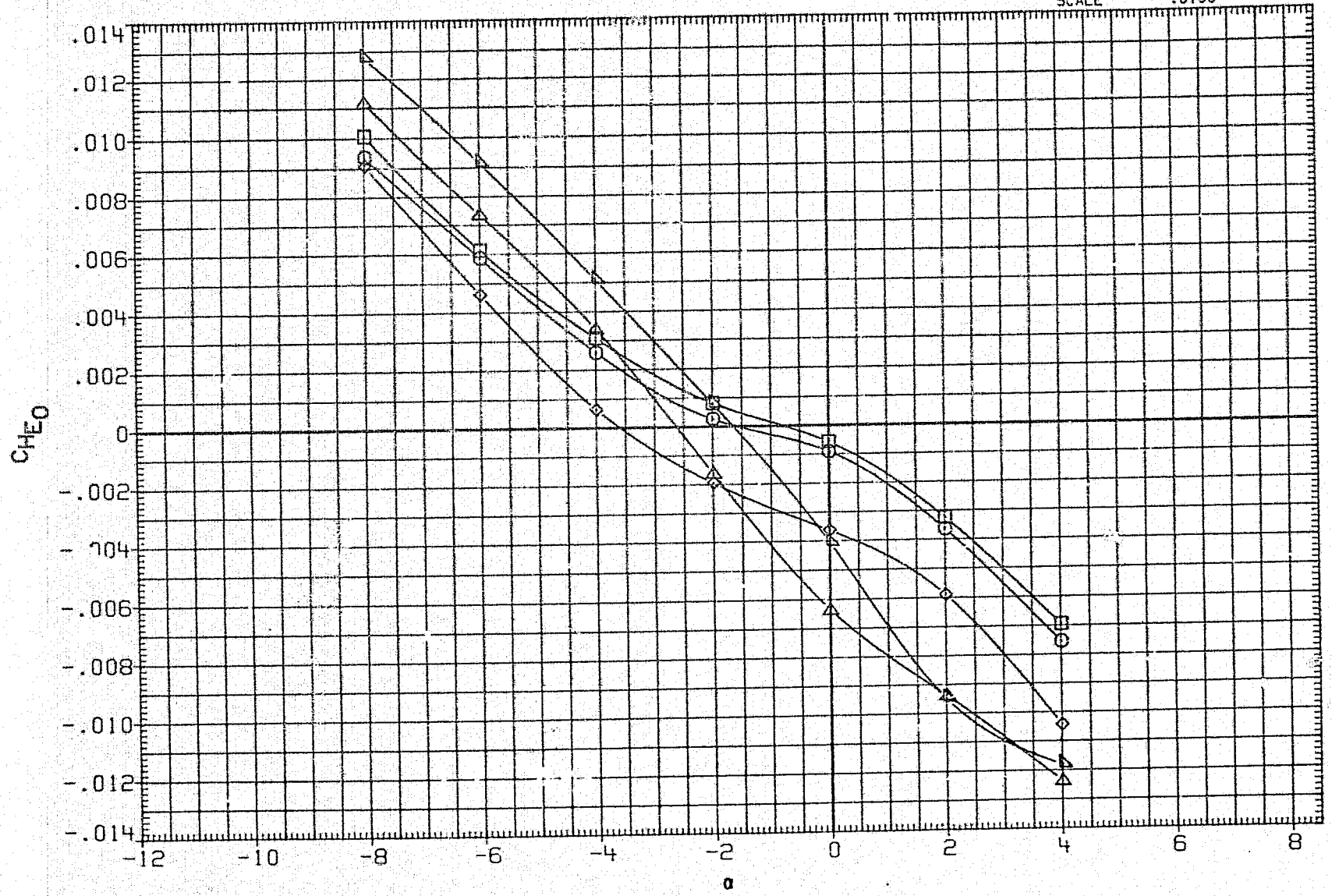


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB58	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB60	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB61	◺	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
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BREF	1290.3000	INCHES
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YMRP	.0000.	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

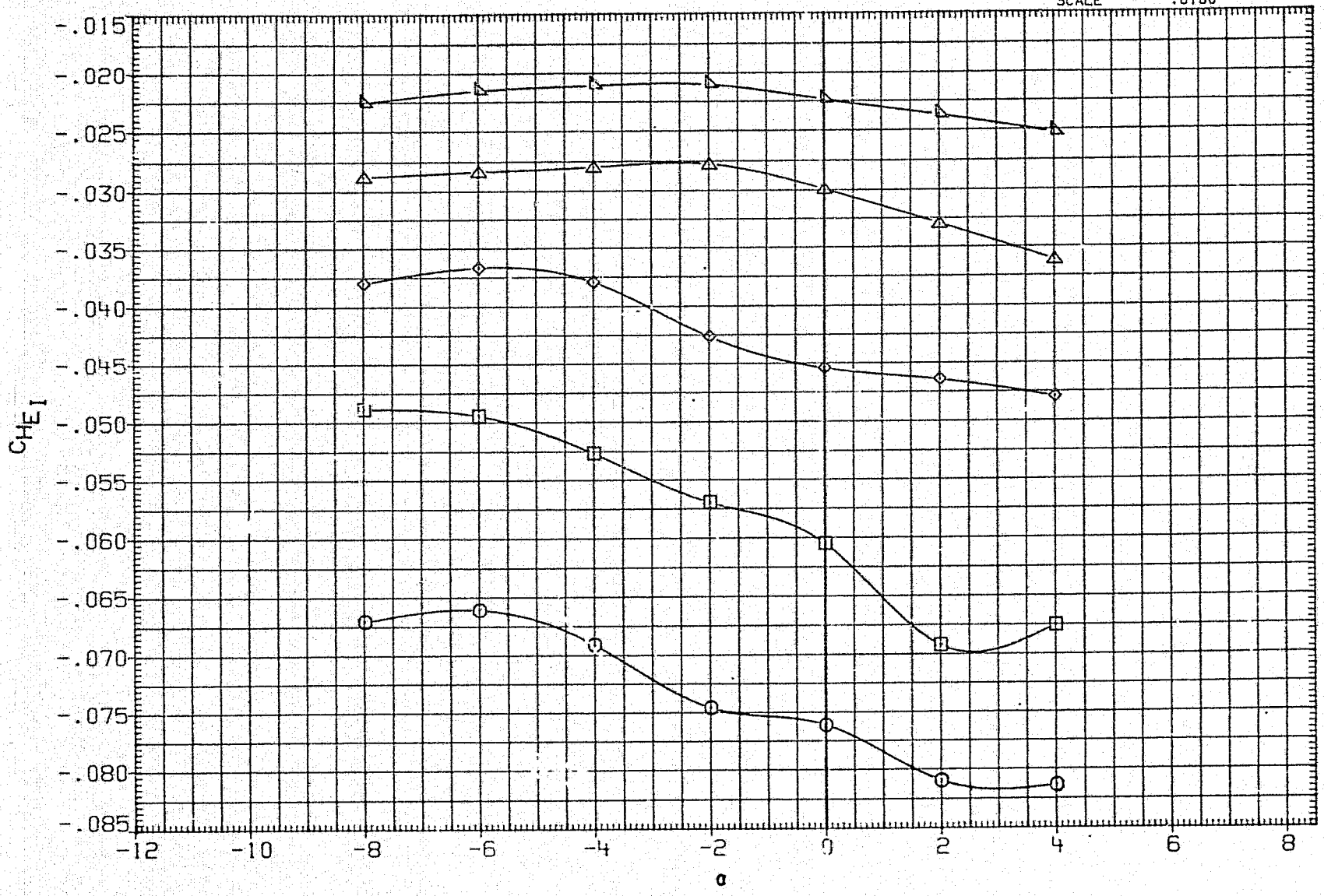


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

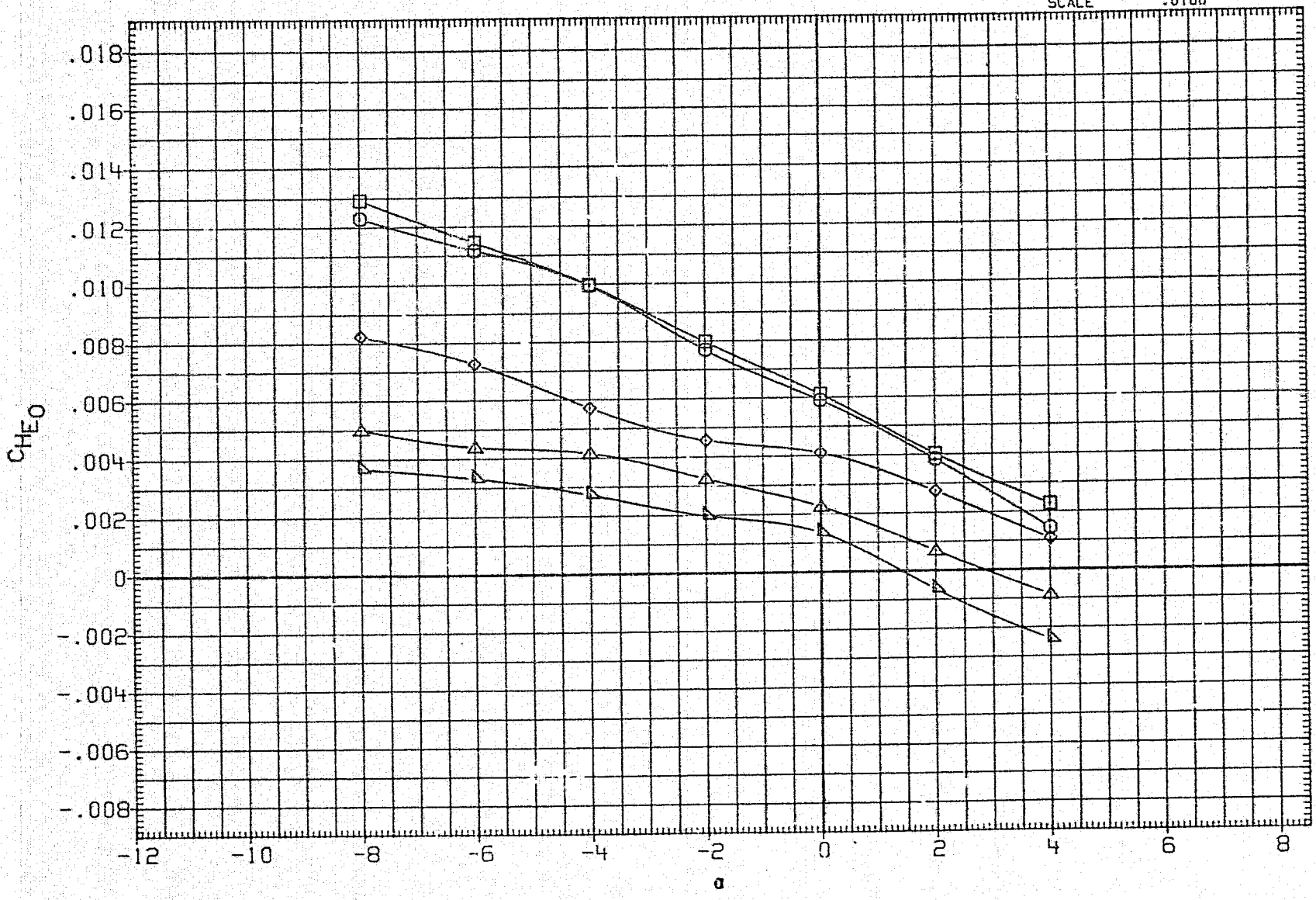


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B) MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

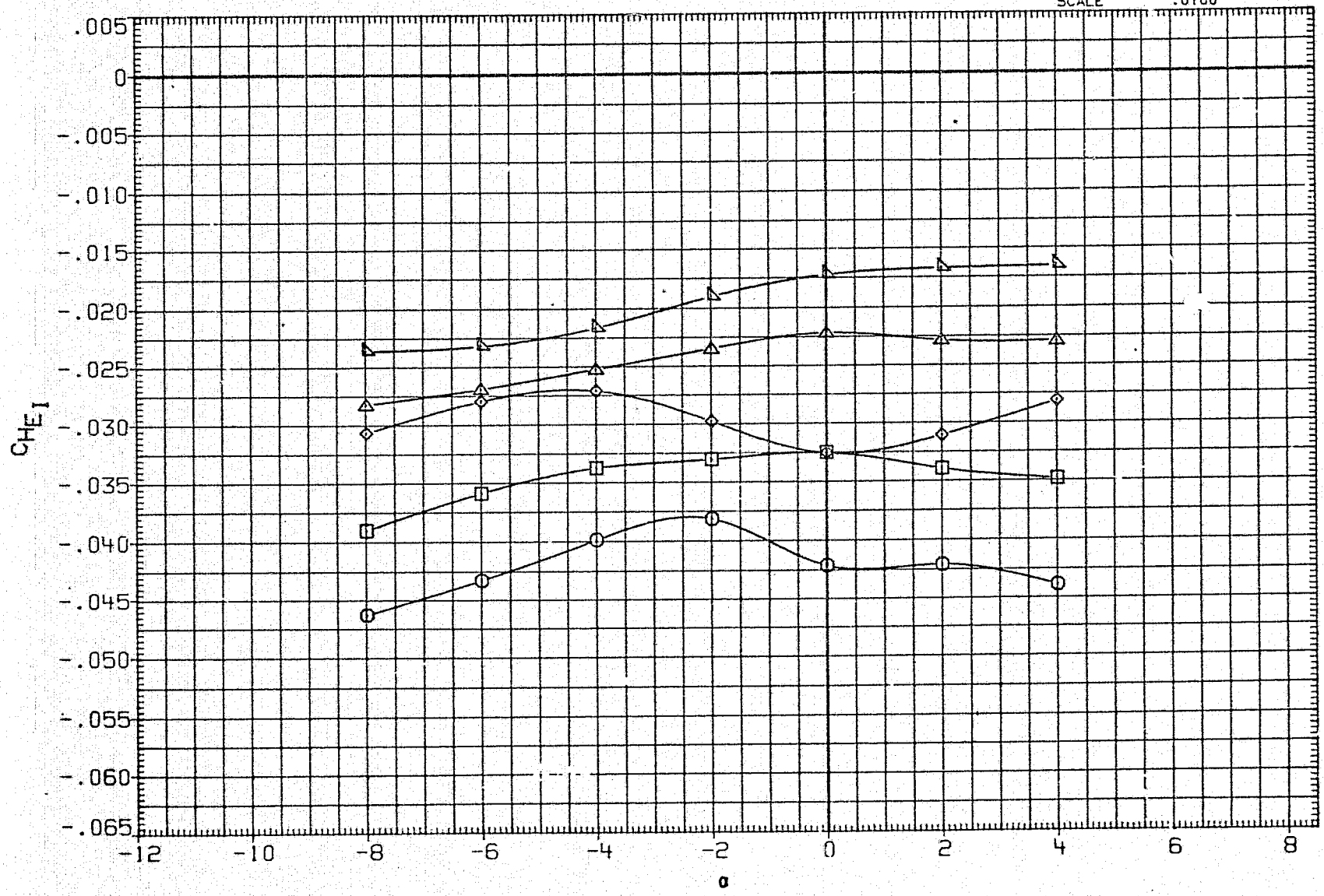


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(C)MACH = 4.50

DATA SET	SYMPOL	CONFIGURATION
MJWB57	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB58	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB59	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB60	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB61	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	-5.000	12.000	-5.000
-4.000	12.000	-5.000	12.000	-5.000
.000	12.000	-5.000	12.000	-5.000
4.000	12.000	-5.000	12.000	-5.000
6.000	12.000	-5.000	12.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

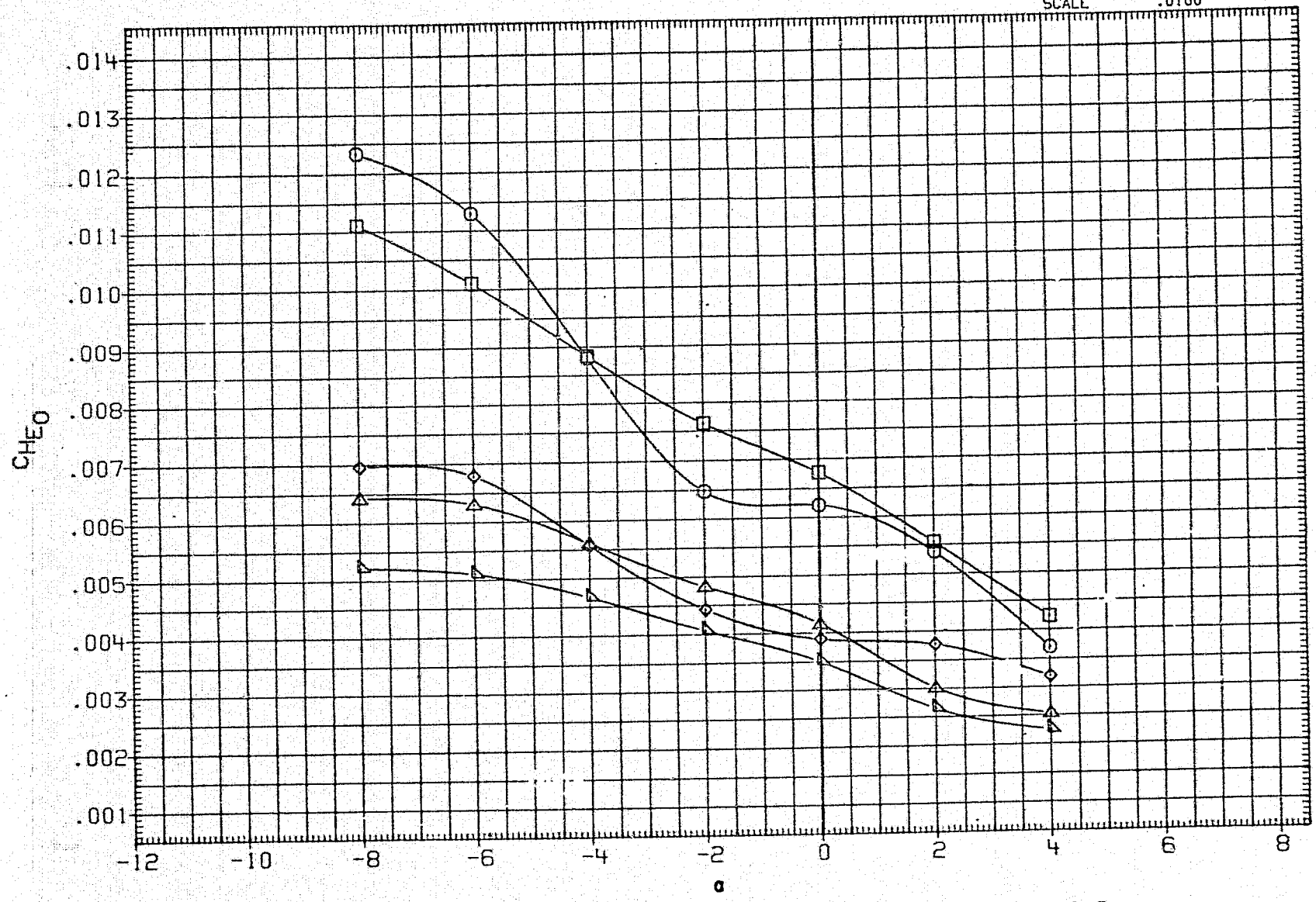


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(C)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB66	▽	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

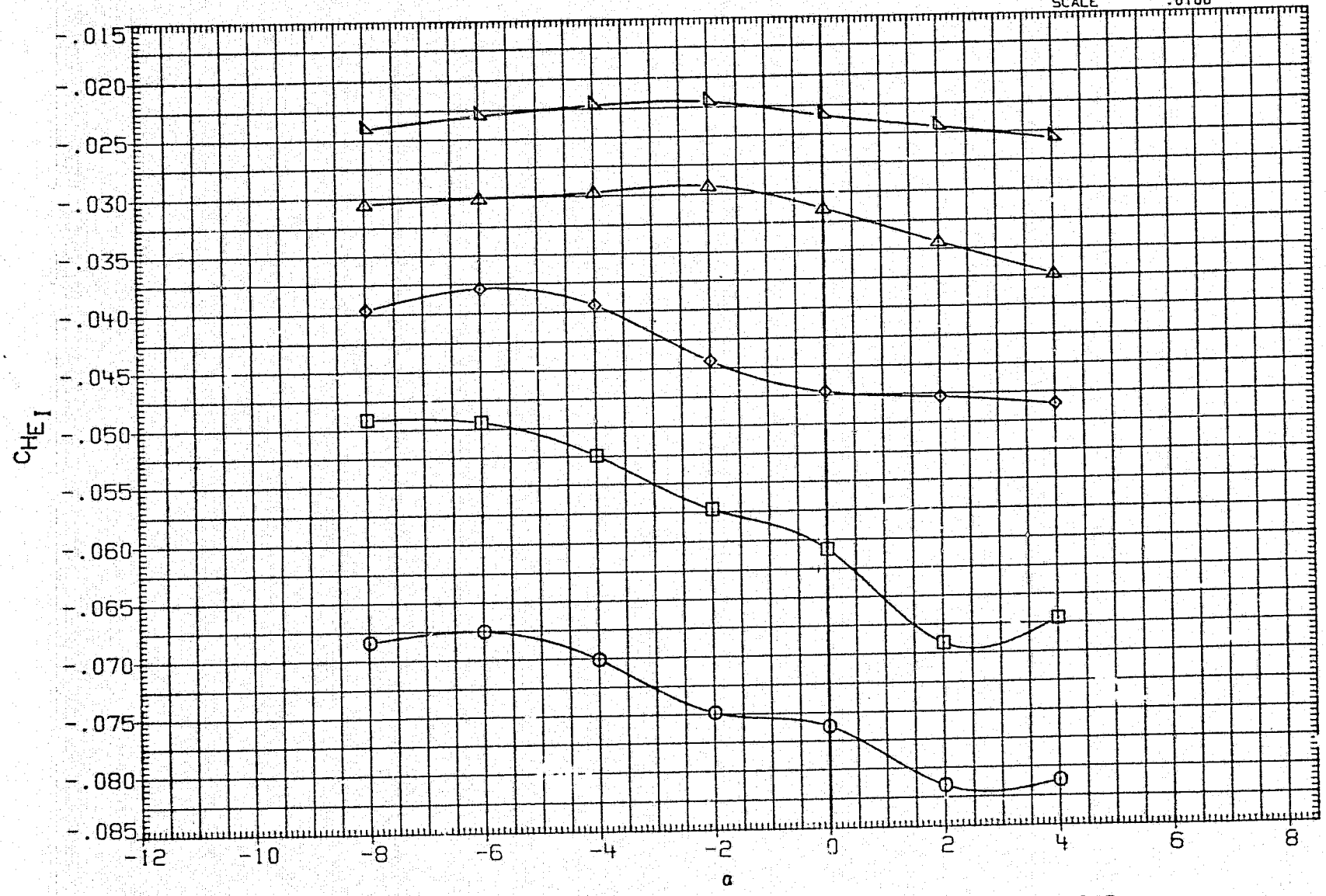


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130	-6.000	12.000	.000	12.000	.000
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130	-4.000	12.000	.000	12.000	.000
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130	.000	12.000	.000	12.000	.000
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130	4.000	12.000	.000	12.000	.000
MJWB66	◺	LARC UPWT 1177(1A94B) OTSAT130	6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

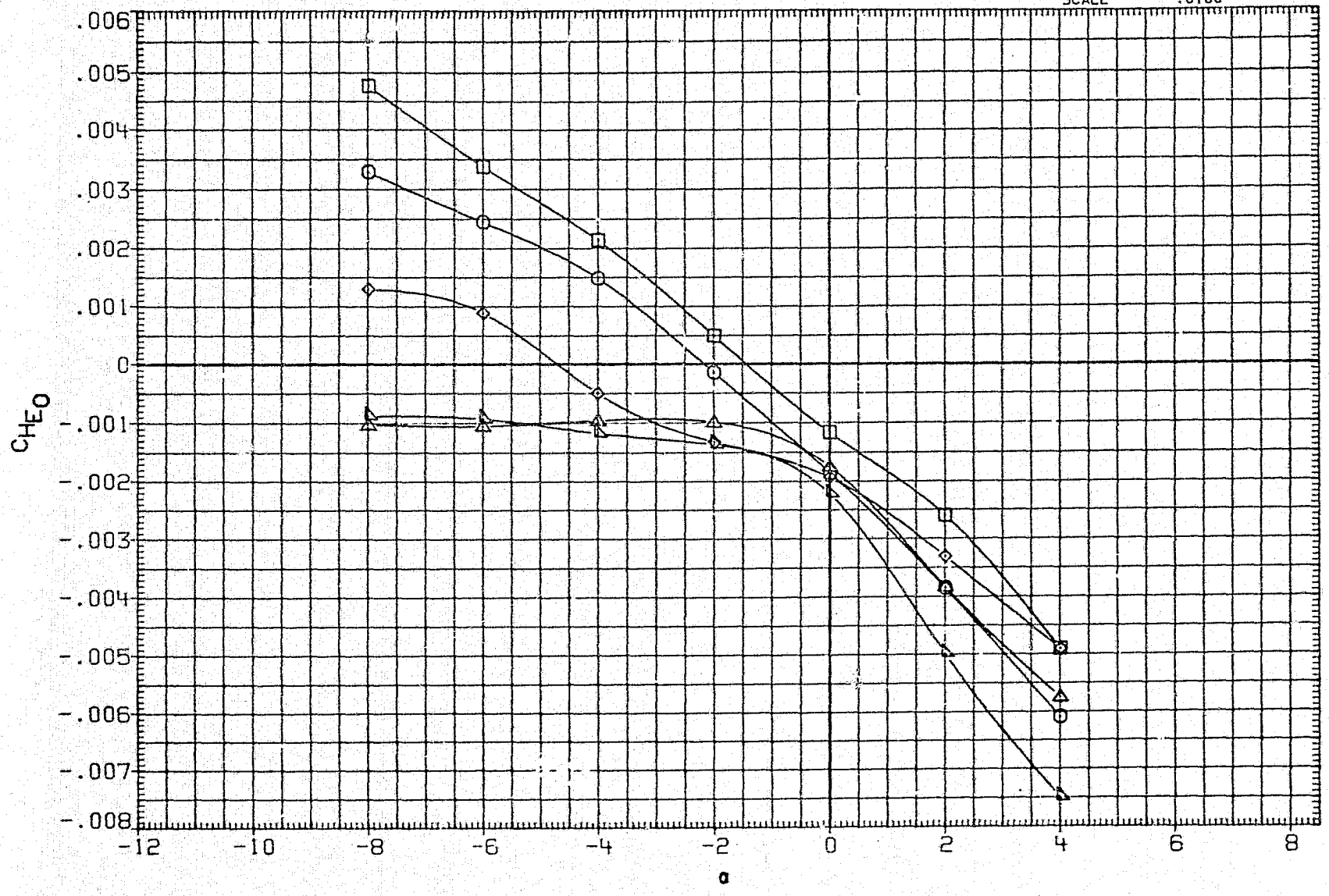


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB63	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB65	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB66	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

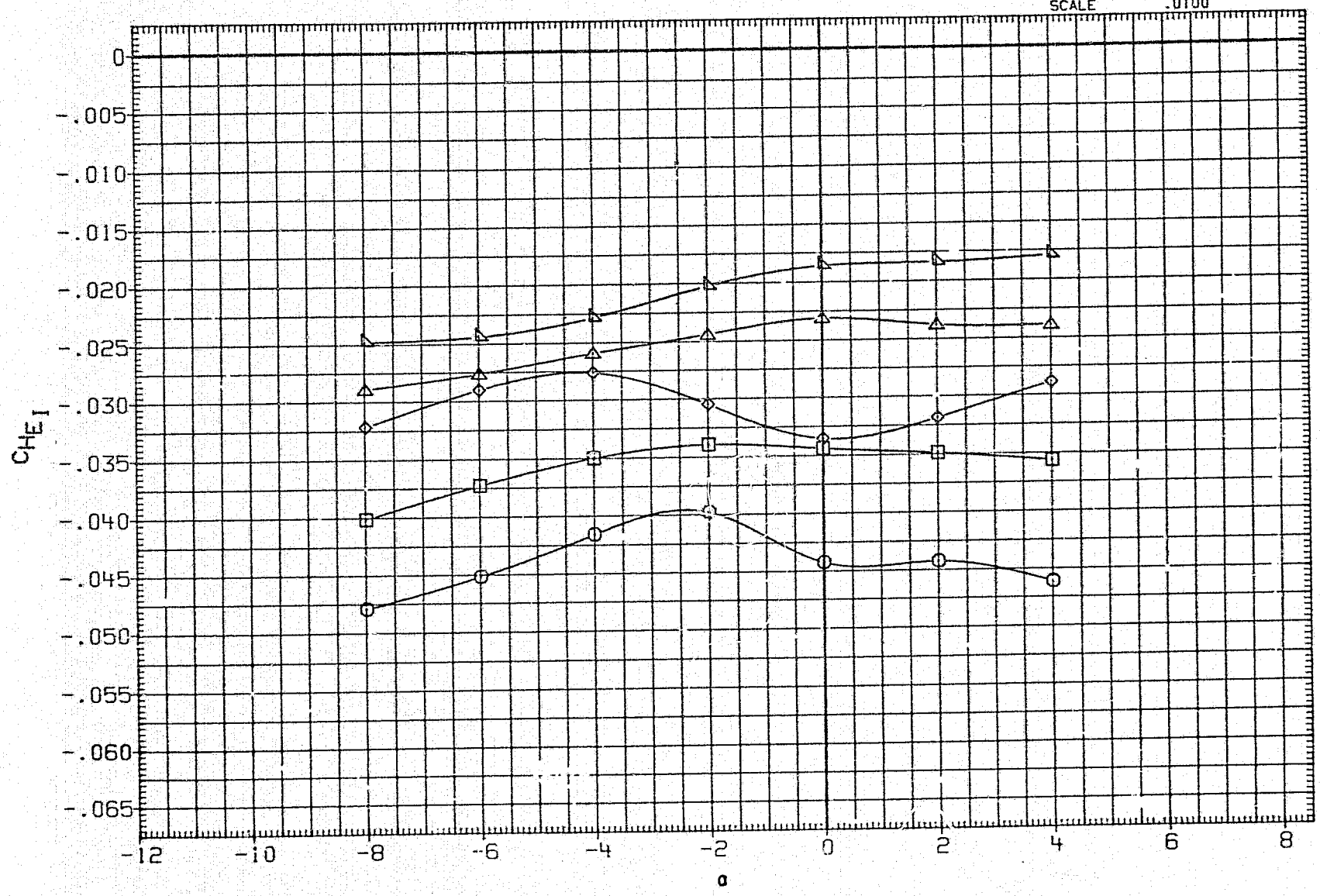


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB62	○	LARC UPWT 1177(IA94B) OTSAT130
MJWB63	□	LARC UPWT 1177(IA94B) OTSAT130
MJWB64	◇	LARC UPWT 1177(IA94B) OTSAT130
MJWB65	△	LARC UPWT 1177(IA94B) OTSAT130
MJWB66	▷	LARC UPWT 1177(IA94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	.000	12.000	.000
-4.000	12.000	.000	12.000	.000
.000	12.000	.000	12.000	.000
4.000	12.000	.000	12.000	.000
6.000	12.000	.000	12.000	.000

REFERENCE INFORMATION		
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LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

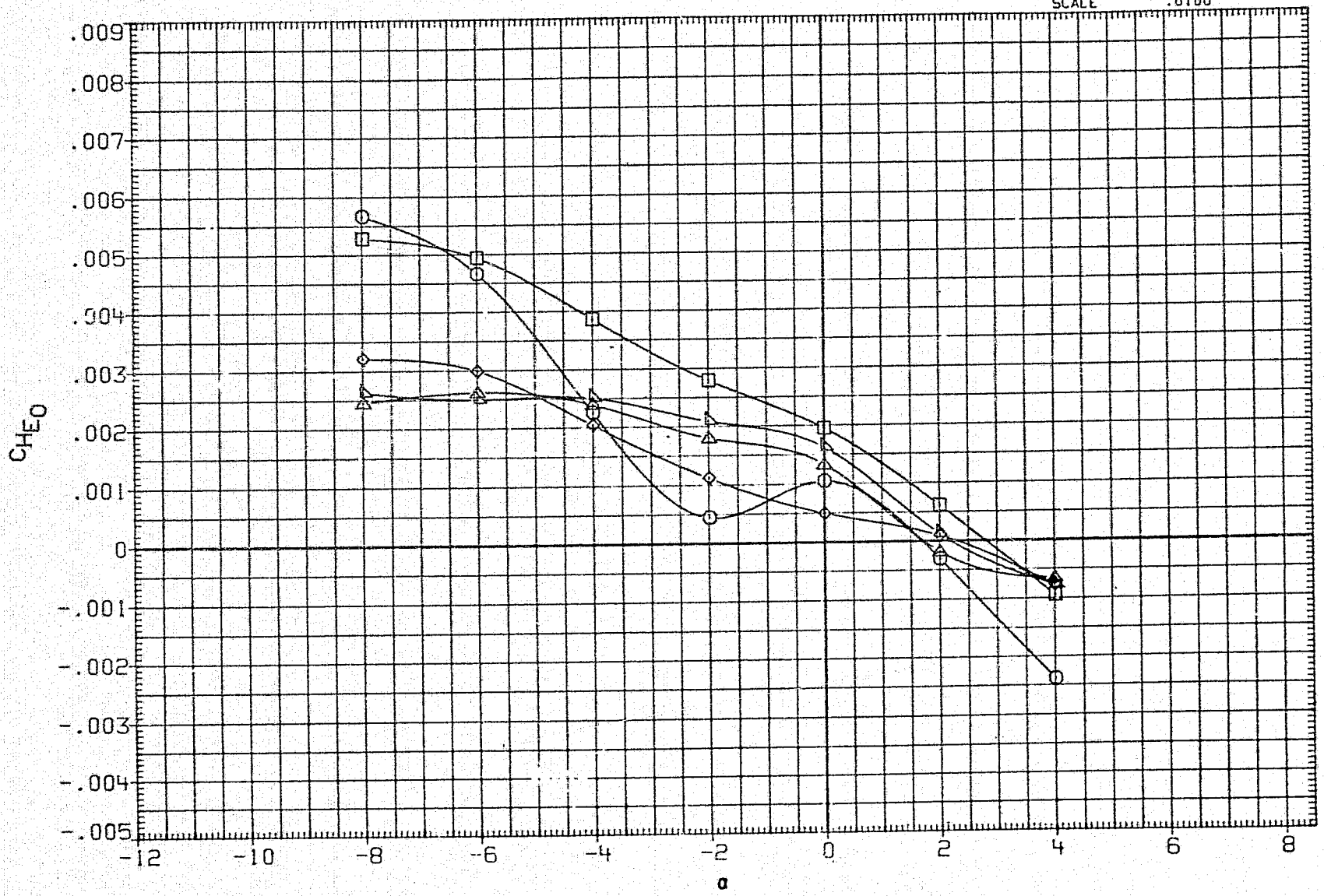


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJW867	○	LARC UPWT 1177(1A94B) OTSAT130
MJW868	□	LARC UPWT 1177(1A94B) OTSAT130
MJW869	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW870	△	LARC UPWT 1177(1A94B) OTSAT130
MJW871	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

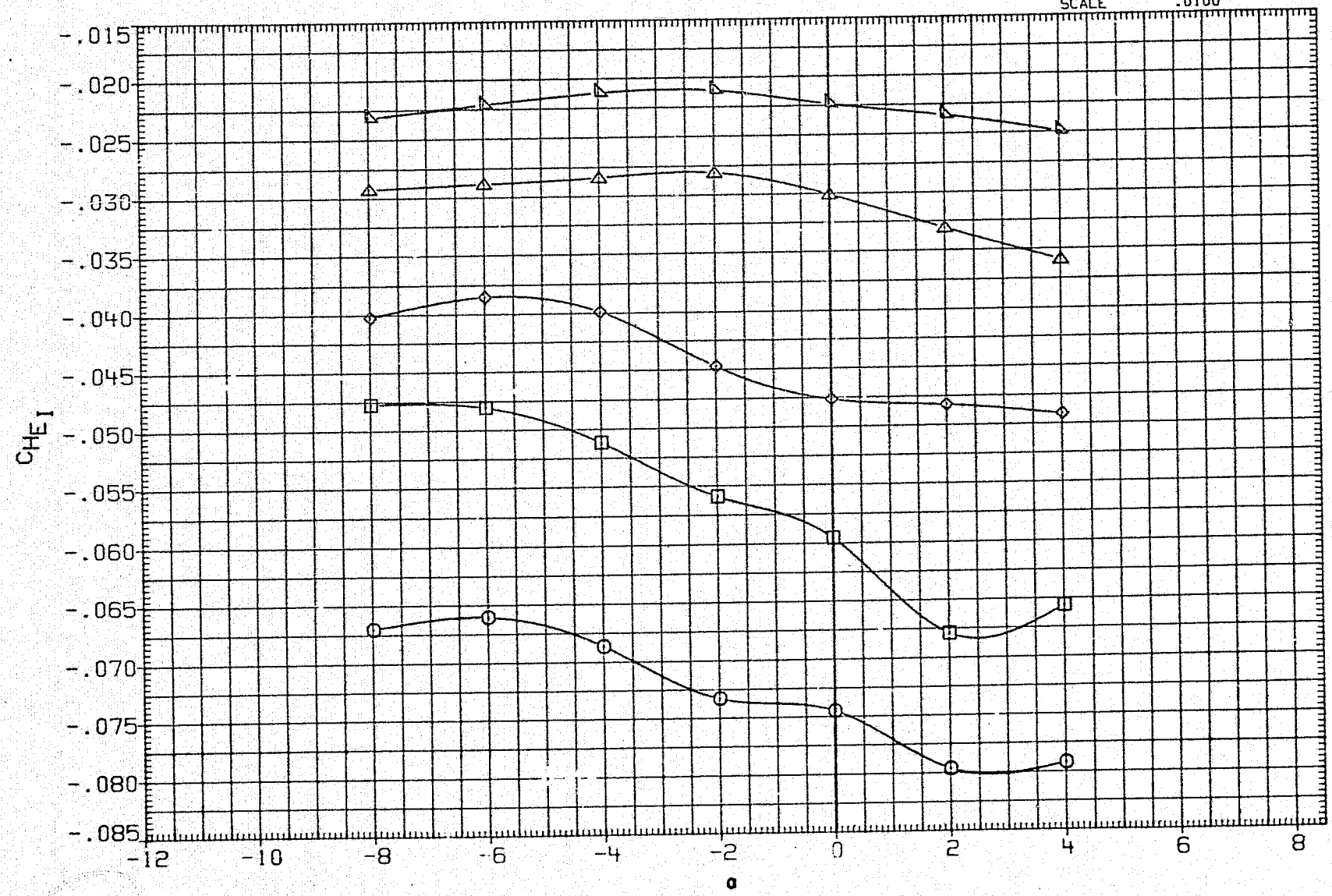


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJW867	○	LARC UPWT 1177(1A94B) OTSAT130
MJW868	□	LARC UPWT 1177(1A94B) OTSAT130
MJW869	◇	LARC UPWT 1177(1A94B) OTSAT130
MJW870	△	LARC UPWT 1177(1A94B) OTSAT130
MJW871	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
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YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

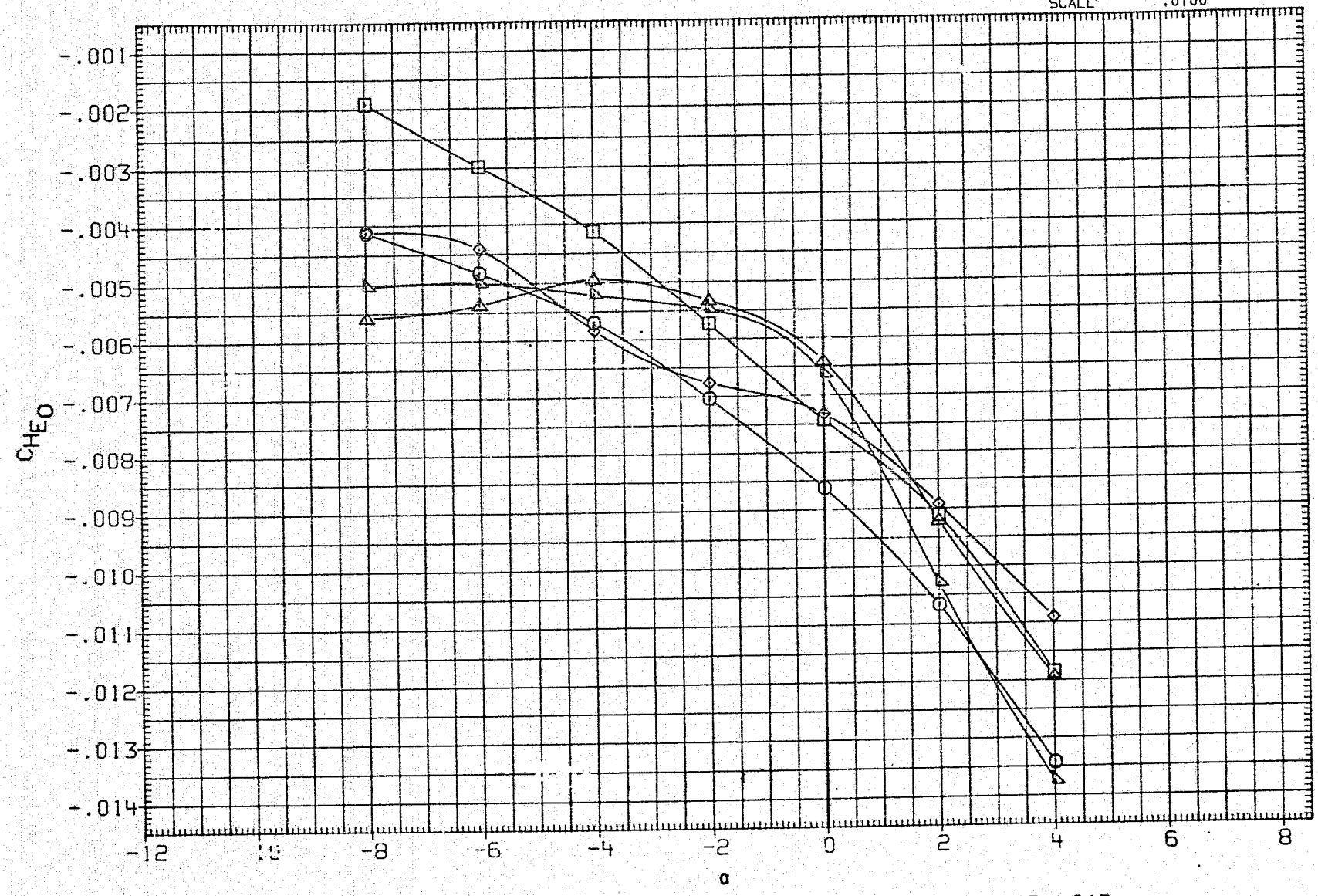


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 3.50

DATA SET	SYMBOL	CONFIGURATION
MJWB67	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB68	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB69	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB70	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB71	◺	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	4.000	12.000	4.000
-4.000	12.000	4.000	12.000	4.000
.000	12.000	4.000	12.000	4.000
4.000	12.000	4.000	12.000	4.000
6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

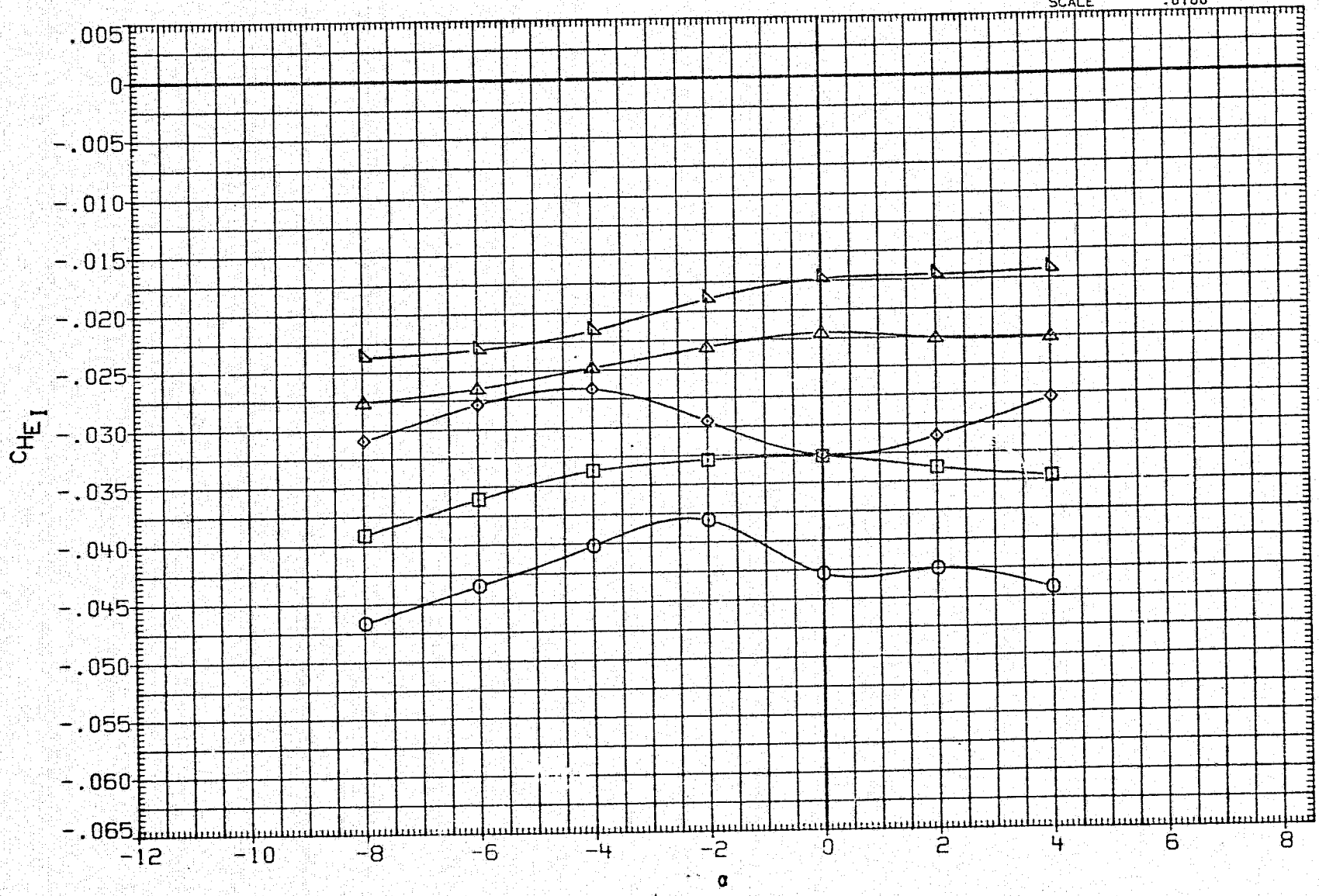


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
MJWB67	○	LARC UPWT 1177(IA94B) OTSAT130	-6.000	12.000	4.000	12.000	4.000
MJWB68	□	LARC UPWT 1177(IA94B) OTSAT130	-4.000	12.000	4.000	12.000	4.000
MJWB69	◇	LARC UPWT 1177(IA94B) OTSAT130	.000	12.000	4.000	12.000	4.000
MJWB70	△	LARC UPWT 1177(IA94B) OTSAT130	4.000	12.000	4.000	12.000	4.000
MJWB71	▷	LARC UPWT 1177(IA94B) OTSAT130	6.000	12.000	4.000	12.000	4.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

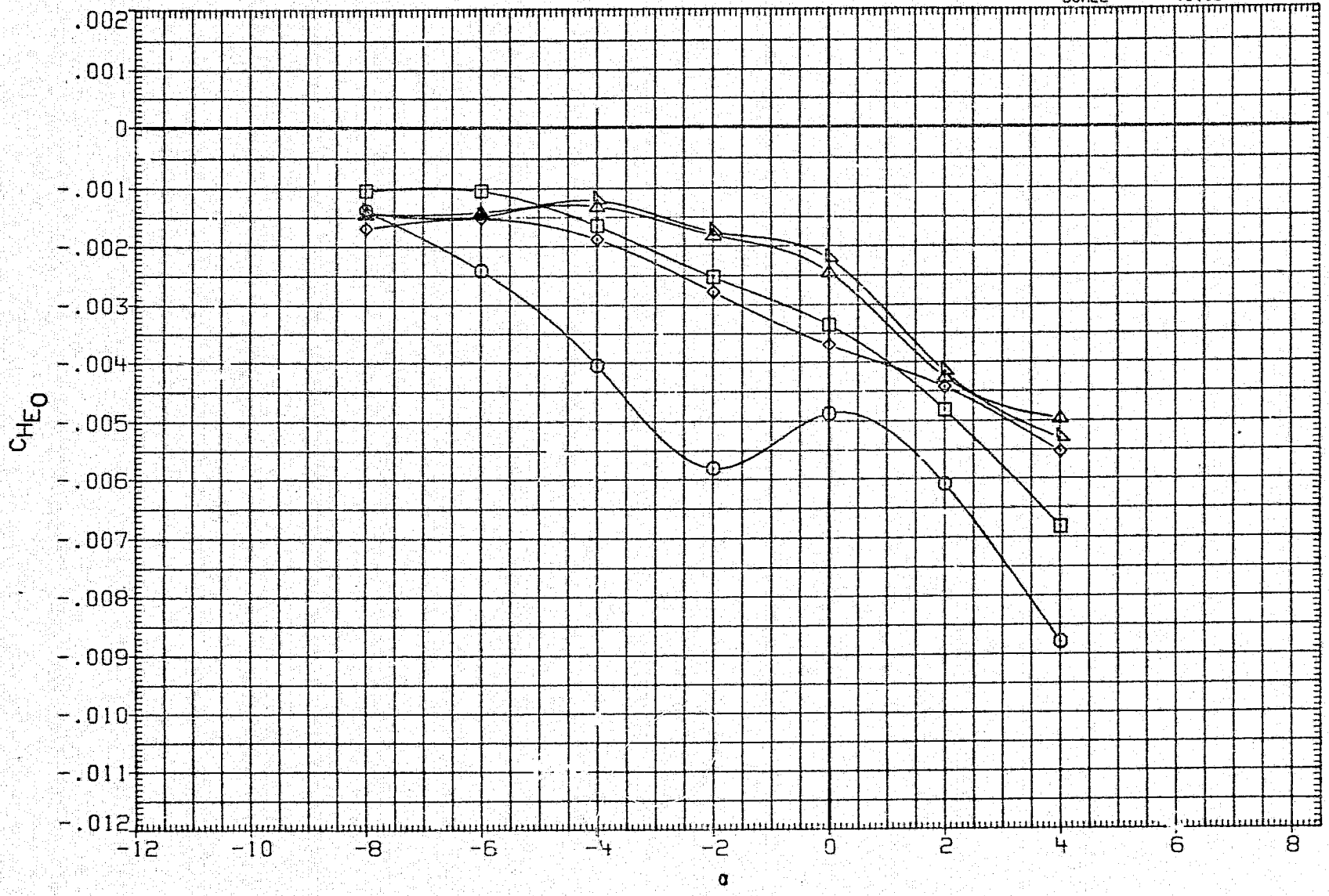


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(B)MACH = 4.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB76	◁	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

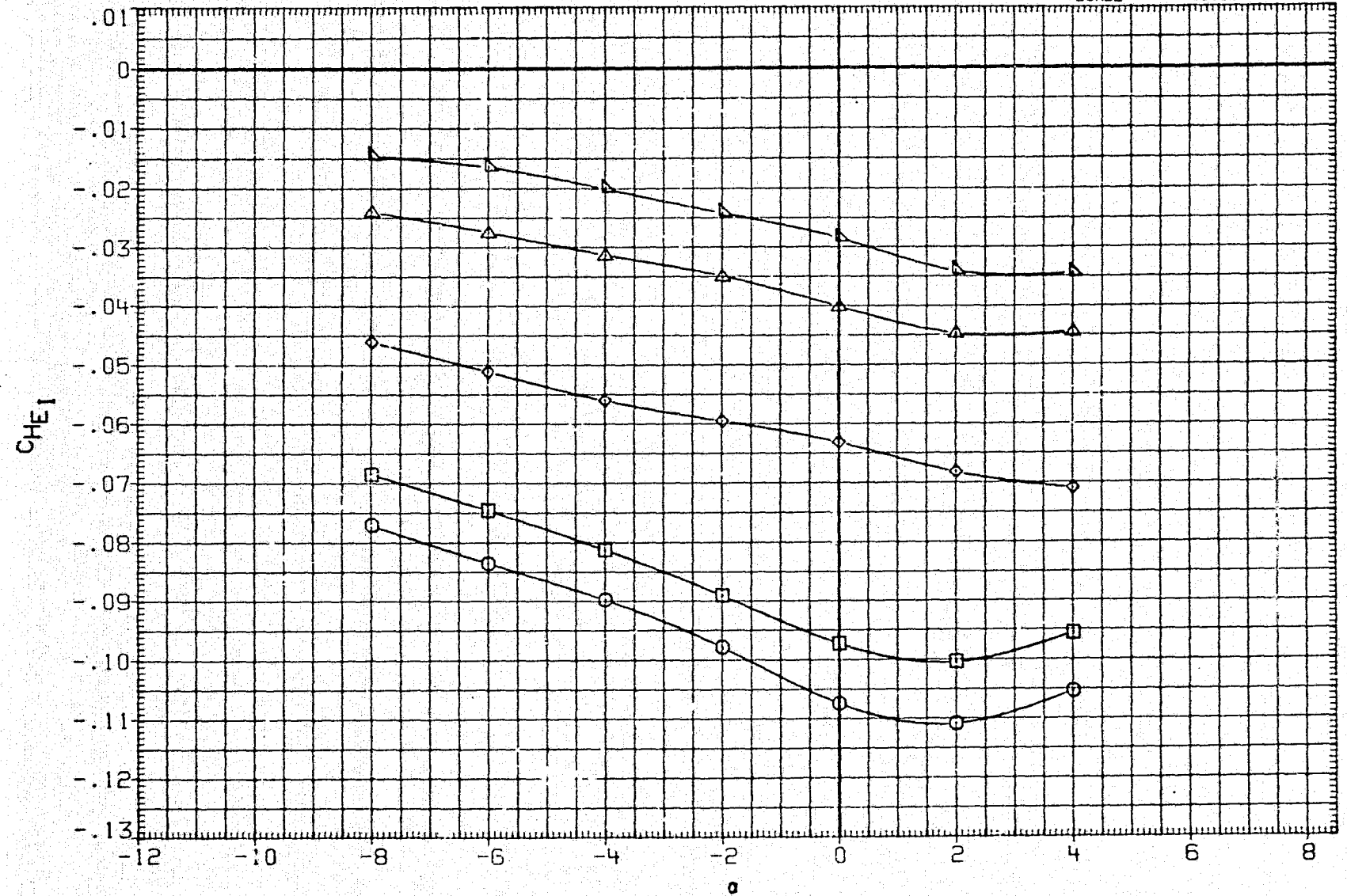


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

DATA SET	SYMBOL	CONFIGURATION
MJWB72	○	LARC UPWT 1177(1A94B) OTSAT130
MJWB73	□	LARC UPWT 1177(1A94B) OTSAT130
MJWB74	◇	LARC UPWT 1177(1A94B) OTSAT130
MJWB75	△	LARC UPWT 1177(1A94B) OTSAT130
MJWB76	◸	LARC UPWT 1177(1A94B) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO
-6.000	12.000	2.000	12.000	2.000
-4.000	12.000	2.000	12.000	2.000
.000	12.000	2.000	12.000	2.000
4.000	12.000	2.000	12.000	2.000
6.000	12.000	2.000	12.000	2.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

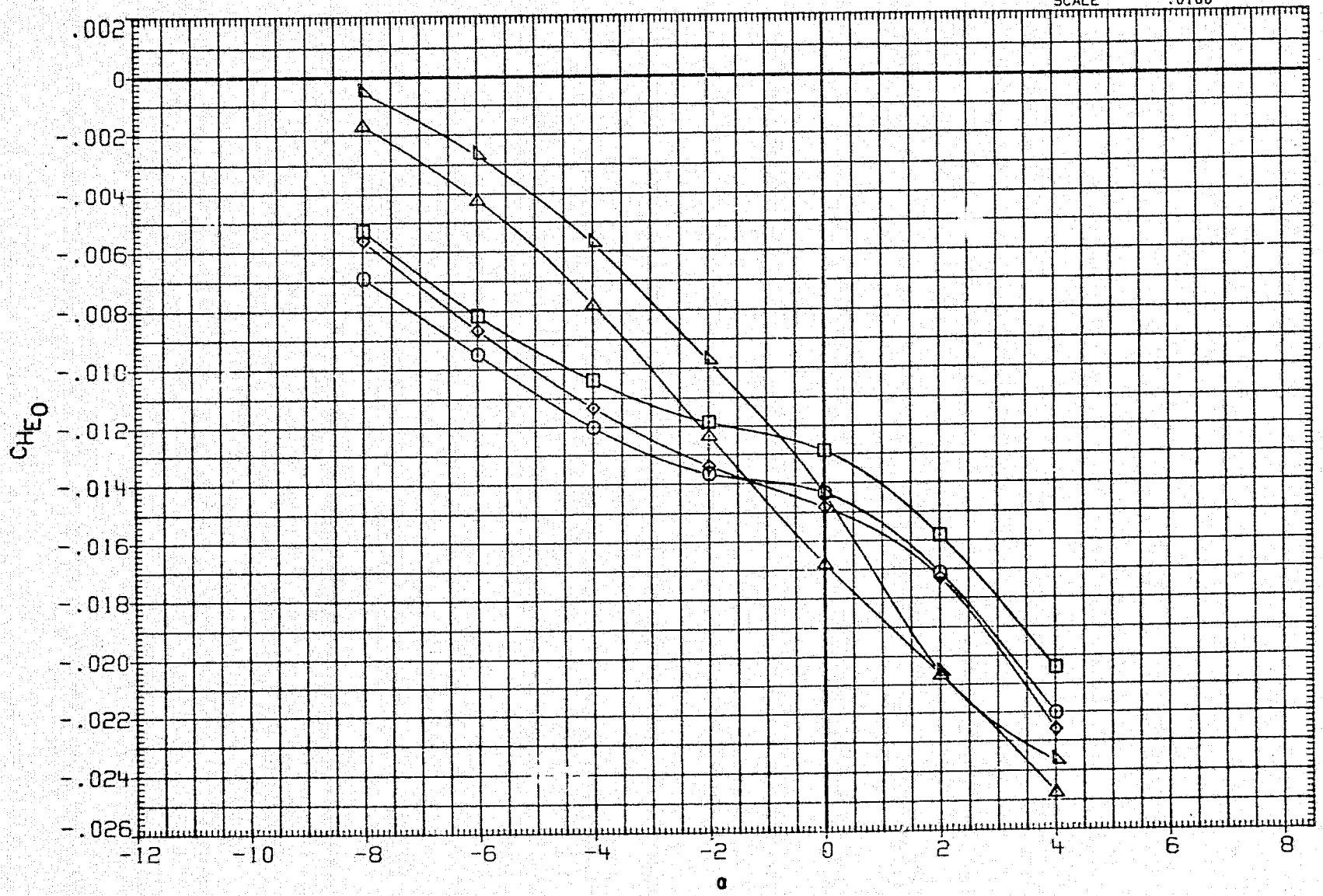


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A)MACH = 2.50

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

LARC UPWT 1177(IA94B) OTSAT130 (RJW001) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 2/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.728	-.14193	-.11691	-.16075	-.18235	-.16518	-.05260	-.15874	-.15401	.37735	-6.22840
2.500	-6.643	-.14593	-.11922	-.16342	-.18469	-.16753	-.04711	-.16006	-.15635	.37111	-6.22052
2.500	-4.539	-.14860	-.12123	-.16747	-.18603	-.16956	-.06399	-.15734	-.15667	.36447	-6.21097
2.500	-2.449	-.15094	-.12391	-.16983	-.18704	-.17125	-.08698	-.15362	-.16005	.35930	-6.20287
2.500	-.376	-.15496	-.12794	-.17286	-.18737	-.17294	-.10861	-.14481	-.16444	.35294	-6.19696
2.500	1.698	-.15672	-.13042	-.17528	-.18607	-.17402	-.11922	-.13544	-.16654	.34750	-6.19547
2.500	3.754	-.15567	-.13070	-.17627	-.18267	-.17534	-.12524	-.12998	-.16616	.34459	-6.19059
	GRADIENT	-.00096	-.00123	-.00111	.00037	-.00069	-.00747	.00352	-.00123	-.00249	.00232

LARC UPWT 1177(IA94B) OTSAT130 (RJW002) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 3/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.736	-.14261	-.11488	-.16041	-.18774	-.18215	-.14421	-.15232	-.15165	.37582	-4.15139
2.500	-6.635	-.14531	-.11795	-.16381	-.18843	-.18284	-.14863	-.15369	-.15336	.36982	-4.14456
2.500	-4.543	-.14719	-.12057	-.16531	-.18953	-.18397	-.14882	-.15219	-.15556	.36331	-4.13738
2.500	-2.467	-.14933	-.12301	-.16704	-.19024	-.18502	-.14518	-.14686	-.15798	.35771	-4.13161
2.500	-.387	-.15362	-.12739	-.17042	-.18957	-.18570	-.13509	-.13778	-.16304	.35270	-4.[illegible]0
2.500	1.694	-.15454	-.12930	-.17204	-.18785	-.18566	-.13195	-.13364	-.16466	.34627	-4.[illegible]
2.500	3.768	-.15395	-.12939	-.17344	-.18385	-.18468	-.13204	-.13036	-.16438	.34341	-4.12280
	GRADIENT	-.00087	-.00115	-.00102	.00066	-.00010	.00225	.00274	-.00117	-.00247	.00174

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (RJW003) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 1/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.744	-.11853	-.08364	-.15270	-.10924	-.15641	-.08213	-.14158	-.14495	.37204	-.02128
2.500	-6.645	-.12132	-.08278	-.15210	-.11643	-.15378	-.07552	-.14470	-.14571	.36345	-.01945
2.500	-4.538	-.12837	-.08684	-.15751	-.13564	-.15175	-.07014	-.14640	-.14910	.35545	-.01763
2.500	-2.468	-.13433	-.09111	-.16218	-.14669	-.15272	-.06531	-.14532	-.15208	.35063	-.01704
2.500	-.380	-.14037	-.09685	-.16488	-.15781	-.15780	-.06464	-.14094	-.15546	.34787	-.01590
2.500	1.686	-.14305	-.10897	-.16623	-.16287	-.16086	-.06700	-.13723	-.15816	.34405	-.01507
2.500	3.764	-.14470	-.11769	-.16790	-.16857	-.16185	-.06797	-.13349	-.15746	.33863	-.01654
	GRADIENT	-.00199	-.00383	-.00120	-.00395	-.00137	.00013	.00163	-.00110	-.00194	.00020

LARC UPWT 1177(IA94B) OTSAT130 (RJW004) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.742	-.14179	-.11480	-.15685	-.18245	-.16939	-.14743	-.15047	-.14979	.37685	4.13323
2.500	-6.660	-.14240	-.11673	-.15849	-.18241	-.17239	-.14906	-.15412	-.15277	.37051	4.13260
2.500	-4.558	-.14307	-.11975	-.16051	-.18073	-.16765	-.14906	-.15243	-.15480	.36333	4.12782
2.500	-2.481	-.14473	-.12042	-.16455	-.17836	-.16153	-.14702	-.14837	-.15613	.35781	4.12465
2.500	-.392	-.14876	-.12414	-.16894	-.17837	-.16019	-.14298	-.14062	-.15986	.35277	4.12217
2.500	1.686	-.15242	-.12646	-.17195	-.17936	-.16050	-.13687	-.13079	-.16287	.34655	4.12204
2.500	3.759	-.15434	-.12870	-.17256	-.17863	-.16076	-.13439	-.13102	-.16516	.34280	4.11810
	GRADIENT	-.00145	-.00125	-.00151	.00015	.00071	.00190	.00290	-.00132	-.00252	-.00106

LARC UPWT 1177(IA94B) OTSAT130 (RJW005) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.752	-.14107	-.11506	-.15782	-.17737	-.16155	-.15278	-.15480	-.15076	.37893	6.23123
2.500	-6.659	-.14340	-.11707	-.16051	-.17871	-.16426	-.15446	-.15749	-.15277	.37213	6.22697
2.500	-4.567	-.14613	-.12016	-.16392	-.17705	-.16158	-.15281	-.15551	-.15652	.36504	6.22067
2.500	-2.477	-.14708	-.12244	-.16657	-.17399	-.15510	-.14939	-.14938	-.15850	.35909	6.21431
2.500	-.389	-.15047	-.12552	-.16964	-.17367	-.15242	-.14436	-.13863	-.16123	.35242	6.20999
2.500	1.675	-.15314	-.12820	-.17098	-.17502	-.15207	-.13895	-.13052	-.16426	.34530	6.20797
2.500	3.755	-.15445	-.13018	-.17230	-.17432	-.15035	-.13622	-.13149	-.16626	.34166	6.20603
	GRADIENT	-.00109	-.00124	-.00102	.00021	.00123	.00210	.00322	-.00121	-.00291	-.00172

LARC UPWT 1177(IA94B) OTSAT130 (RJW006) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 7/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.740	-.15886	-.15310	-.16253	-.19255	-.18864	-.15512	-.15545	-.15478	.37623	-6.22851
2.500	-6.673	-.16291	-.15549	-.16492	-.19358	-.18866	-.15684	-.15987	-.15717	.37029	-6.21963
2.500	-4.558	-.16663	-.15855	-.17068	-.19528	-.19105	-.15383	-.15720	-.15754	.36306	-6.21031
2.500	-2.464	-.16893	-.16119	-.17233	-.19593	-.19238	-.14972	-.15276	-.16121	.35811	-6.20245
2.500	-.381	-.17332	-.16627	-.17572	-.19493	-.19341	-.13962	-.14165	-.16596	.35145	-6.19741
2.500	1.700	-.17332	-.16728	-.17674	-.19021	-.19307	-.13523	-.13254	-.16698	.34688	-6.19478
2.500	3.746	-.17192	-.16689	-.17770	-.18714	-.19134	-.13481	-.12907	-.16658	.34356	-6.19085
	GRADIENT	-.00072	-.00110	-.00089	.00106	-.00006	.00253	.00368	-.00115	-.00242	.00224

LARC UPWT 1177(IA94B) OTSAT130 (RJW006) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.681	-.09151	-.08589	-.09052	-.10086	-.10765	-.08788	-.08830	-.08652	.32337	-6.15420
3.500	-6.612	-.09241	-.08680	-.09097	-.10086	-.10765	-.08788	-.08830	-.08743	.31264	-6.14841
3.500	-4.573	-.09331	-.08815	-.09233	-.10132	-.10765	-.08743	-.08740	-.08879	.30246	-6.14295
3.500	-2.527	-.09466	-.08906	-.09370	-.10087	-.10765	-.08608	-.08604	-.09016	.29321	-6.13643
3.500	-.458	-.09601	-.09042	-.09506	-.09996	-.10765	-.08472	-.08469	-.09152	.28522	-6.13168
3.500	1.594	-.09781	-.09222	-.09641	-.09769	-.10765	-.08289	-.08150	-.09332	.27983	-6.12850
3.500	3.604	-.09826	-.09268	-.09687	-.09499	-.10674	-.08245	-.07971	-.09378	.27449	-6.12652
	GRADIENT	-.00064	-.00060	-.00058	.00077	.00009	.00064	.00097	-.00064	-.00339	.00199

RUN NO. 17/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.765	-.05929	-.05012	-.05330	-.05801	-.06709	-.05101	-.04975	-.05161	.30149	-6.10374
4.500	-5.705	-.05810	-.05013	-.05331	-.05802	-.06709	-.05102	-.04977	-.05102	.28897	-6.10054
4.500	-3.701	-.05929	-.05072	-.05451	-.05901	-.06709	-.05101	-.05036	-.05161	.27778	-6.09653
4.500	-1.666	-.05989	-.05132	-.05450	-.05861	-.06770	-.05101	-.05035	-.05221	.26692	-6.09262
4.500	.380	-.06049	-.05193	-.05511	-.05801	-.06770	-.05161	-.04975	-.05282	.25586	-6.08935
4.500	2.405	-.06169	-.05313	-.05572	-.05681	-.06709	-.05102	-.04976	-.05463	.24665	-6.08653
4.500	4.442	-.06409	-.05494	-.05753	-.05200	-.06709	-.04921	-.04796	-.05645	.24082	-6.08395
	GRADIENT	-.00056	-.00050	-.00036	.00068	.00003	.00018	.00026	-.00059	-.00463	.00154

LARC UPWT 1177(IA94B) OTSAT130 (RJW007) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 8/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.730	-.15889	-.15111	-.16155	-.19223	-.19239	-.15009	-.15042	-.15313	.37384	-4.15076
2.500	-6.658	-.16123	-.15346	-.16458	-.19324	-.19103	-.15447	-.15312	-.15413	.36813	-4.14501
2.500	-4.567	-.16428	-.15585	-.16663	-.19561	-.19274	-.15282	-.15113	-.15619	.36129	-4.13658
2.500	-2.455	-.16592	-.15749	-.16794	-.19593	-.19306	-.15041	-.14804	-.15784	.35595	-4.13004
2.500	-.389	-.16930	-.16190	-.17100	-.19460	-.19273	-.14132	-.14064	-.16259	.35147	-4.12837
2.500	1.697	-.17063	-.16425	-.17336	-.19190	-.19239	-.13489	-.13388	-.16528	.34506	-4.12493
2.500	3.759	-.16964	-.16393	-.17405	-.18988	-.19104	-.13424	-.13188	-.16429	.34210	-4.12241
	GRADIENT	-.00074	-.00110	-.00097	.00074	.00020	.00253	.00253	-.00114	-.00237	.00161

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.699	-.09511	-.08861	-.09370	-.09589	-.10720	-.08155	-.08061	-.08970	.31823	-4.10091
3.500	-6.634	-.09286	-.08681	-.09144	-.09815	-.10720	-.08381	-.08287	-.08789	.30675	-4.09745
3.500	-4.573	-.09331	-.08771	-.09279	-.09951	-.10811	-.08381	-.08242	-.08880	.29674	-4.09320
3.500	-2.531	-.09466	-.08861	-.09370	-.09951	-.10856	-.08381	-.08197	-.08970	.28891	-4.08851
3.500	-.461	-.09601	-.08997	-.09506	-.09951	-.10856	-.08336	-.08197	-.09106	.28279	-4.08516
3.500	1.585	-.09737	-.09133	-.09642	-.09726	-.10765	-.08156	-.07972	-.09334	.27721	-4.08228
3.500	3.637	-.09826	-.09268	-.09642	-.09544	-.10720	-.08019	-.07834	-.09378	.27209	-4.08087
	GRADIENT	-.00061	-.00062	-.00049	.00051	.00013	.00046	.00051	-.00066	-.00297	.00150

RUN NO. 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.765	-.06109	-.05132	-.05391	-.05320	-.06649	-.04980	-.04855	-.05222	.29670	-4.06646
4.500	-5.734	-.05989	-.05133	-.05331	-.05380	-.06705	-.05041	-.04916	-.05222	.28309	-4.06424
4.500	-3.698	-.06049	-.05073	-.05391	-.05501	-.06709	-.05041	-.04916	-.05222	.26979	-4.06142
4.500	-1.652	-.06109	-.05194	-.05512	-.05561	-.06770	-.05042	-.04916	-.05343	.25943	-4.05912
4.500	.380	-.06109	-.05313	-.05572	-.05621	-.06709	-.05041	-.04916	-.05343	.25183	-4.05687
4.500	2.426	-.06169	-.05313	-.05632	-.05560	-.06770	-.05041	-.04915	-.05523	.24401	-4.05478
4.500	4.433	-.06229	-.05374	-.05693	-.05441	-.06770	-.05042	-.04916	-.05524	.23761	-4.05314
	GRADIENT	-.00021	-.00035	-.00036	.00006	-.00006	-.00000	.00000	-.00039	-.00392	.00103

DATE 29 OCT 76 TABULATED SOURCE DATA - IA948.

LARC UPWT 1177(IA948) OTSAT130 (RJW008) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 6/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.759	-.14986	-.14336	-.15348	-.18904	-.18135	-.15248	-.14943	-.14570	.36970	-.00452
2.500	-6.642	-.14946	-.14499	-.15580	-.19003	-.18131	-.15514	-.15276	-.14734	.36206	-.00076
2.500	-4.533	-.15251	-.14805	-.16158	-.19004	-.18030	-.15482	-.15244	-.14973	.35397	.00041
2.500	-2.461	-.15617	-.15138	-.16560	-.18933	-.17993	-.15171	-.14798	-.15273	.34914	.00115
2.500	-.381	-.15918	-.15440	-.16660	-.18898	-.18025	-.14693	-.14184	-.15542	.34702	.00255
2.500	1.693	-.16196	-.15857	-.16834	-.18653	-.18123	-.13901	-.13395	-.15993	.34306	.00220
2.500	3.748	-.16160	-.15720	-.16832	-.18585	-.17986	-.13797	-.13358	-.15822	.33801	.00229
	GRADIENT	-.00116	-.00123	-.00078	.00054	-.00002	.00224	.00250	-.00117	-.00183	.00023

RUN NO. 11/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.667	-.09062	-.08500	-.08872	-.10132	-.10538	-.08699	-.08605	-.08653	.31319	-.00357
3.500	-6.637	-.09151	-.08544	-.08962	-.10177	-.10583	-.08652	-.08603	-.08697	.30073	-.00308
3.500	-4.561	-.09150	-.08589	-.09052	-.10176	-.10628	-.08606	-.08422	-.08742	.29101	-.00263
3.500	-2.516	-.09286	-.08680	-.09188	-.10177	-.10628	-.08426	-.08287	-.08834	.28396	-.00213
3.500	-.467	-.09510	-.08860	-.09324	-.10086	-.10628	-.08153	-.08059	-.09014	.27916	-.00193
3.500	1.584	-.09601	-.08996	-.09369	-.10041	-.10628	-.08063	-.07879	-.09151	.27420	-.00212
3.500	3.627	-.09600	-.09041	-.09369	-.09860	-.10583	-.07881	-.07742	-.09196	.26877	-.00247
	GRADIENT	-.00059	-.00060	-.00040	.00038	.00004	.00089	.00086	-.00060	-.00265	.00002

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.754	-.05870	-.04953	-.05271	-.05802	-.06649	-.05042	-.04977	-.05102	.29079	-.01992
4.500	-5.717	-.05870	-.05013	-.05331	-.05982	-.06709	-.05041	-.04976	-.05162	.27768	-.01957
4.500	-3.691	-.05989	-.05012	-.05451	-.05982	-.06709	-.05101	-.04975	-.05161	.26569	-.01925
4.500	-1.666	-.05989	-.05133	-.05451	-.05922	-.06770	-.05041	-.04976	-.05222	.25626	-.01901
4.500	.378	-.06049	-.05132	-.05571	-.05982	-.06709	-.05041	-.04915	-.05342	.24788	-.01921
4.500	2.420	-.06109	-.05254	-.05633	-.05862	-.06709	-.05042	-.04916	-.05464	.24149	-.01950
4.500	4.452	-.06169	-.05253	-.05632	-.05862	-.06709	-.04981	-.04855	-.05403	.23603	-.01926
	GRADIENT	-.00024	-.00030	-.00027	.00015	.00003	.00012	.00015	-.00036	-.00364	-.00003

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.757	-.15722	-.15010	-.15784	-.18549	-.17069	-.14975	-.14941	-.15042	.37477	4.15401
2.500	-6.663	-.15789	-.15179	-.15919	-.18550	-.17273	-.15212	-.15347	-.15313	.36814	4.15127
2.500	-4.550	-.15929	-.15387	-.16194	-.18284	-.16498	-.15117	-.15117	-.15589	.36101	4.14653
2.500	-2.474	-.16124	-.15582	-.16593	-.18111	-.16051	-.14806	-.14671	-.15684	.35550	4.14363
2.500	-.394	-.16528	-.15954	-.17067	-.18146	-.15985	-.14368	-.13829	-.16057	.35112	4.14085
2.500	1.678	-.16895	-.16256	-.17336	-.18212	-.15950	-.13793	-.12983	-.16393	.34410	4.13951
2.500	3.762	-.16999	-.16395	-.17305	-.18147	-.15954	-.13629	-.13056	-.16532	.34129	4.13782
	GRADIENT	-.00140	-.00129	-.00143	.00008	.00057	.00192	.00280	-.00125	-.00245	-.00104

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.674	-.09107	-.08455	-.08691	-.09861	-.10720	-.08517	-.08469	-.08517	.31817	4.08519
3.500	-6.624	-.09152	-.08546	-.08782	-.09861	-.10674	-.08518	-.08560	-.08609	.30646	4.08232
3.500	-4.574	-.09197	-.08591	-.08918	-.09906	-.10675	-.08518	-.08470	-.08699	.29606	4.07905
3.500	-2.514	-.09332	-.08681	-.09008	-.09861	-.10583	-.08381	-.08378	-.08835	.28812	4.07540
3.500	-.473	-.09422	-.08816	-.09144	-.09861	-.10538	-.08291	-.08288	-.08925	.28131	4.07273
3.500	1.583	-.09511	-.08952	-.09325	-.09770	-.10492	-.08245	-.08061	-.09151	.27525	4.07071
3.500	3.627	-.09647	-.09133	-.09461	-.09726	-.10447	-.08201	-.07926	-.09243	.27043	4.06987
	GRADIENT	-.00053	-.00066	-.00068	.00022	.00027	.00038	.00069	-.00068	-.00313	-.00112

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.783	-.05989	-.04953	-.05331	-.05681	-.06770	-.05102	-.04976	-.05041	.29269	4.05658
4.500	-5.724	-.05930	-.04953	-.05271	-.05741	-.06770	-.05162	-.04976	-.05041	.28042	4.05488
4.500	-3.710	-.05930	-.04953	-.05271	-.05802	-.06770	-.05102	-.04977	-.05042	.26870	4.05250
4.500	-1.646	-.05989	-.05013	-.05331	-.05801	-.06830	-.05102	-.05036	-.05102	.25789	4.05033
4.500	.379	-.05989	-.05133	-.05451	-.05801	-.06770	-.05041	-.05036	-.05283	.25010	4.04879
4.500	2.424	-.06109	-.05253	-.05572	-.05801	-.06770	-.05041	-.05097	-.05403	.24217	4.04726
4.500	4.448	-.06169	-.05314	-.05633	-.05802	-.06770	-.05042	-.04977	-.05464	.23564	4.04644
	GRADIENT	-.00029	-.00047	-.00047	.00000	.00003	.00009	-.00003	-.00056	-.00402	-.00075

LARC UPWT 1177(1A94B) OTSAT130 (RJW010) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.769	-.15788	-.15110	-.15918	-.18010	-.15949	-.15210	-.14839	-.15177	.37652	6.24663
2.500	-6.673	-.15992	-.15315	-.16224	-.18146	-.16393	-.15585	-.15618	-.15382	.36934	6.24323
2.500	-4.554	-.16229	-.15587	-.16463	-.17879	-.15921	-.15351	-.15317	-.15756	.36209	6.23668
2.500	-2.478	-.16296	-.15722	-.16632	-.17710	-.15514	-.15082	-.14913	-.15858	.35645	6.23127
2.500	-.397	-.16627	.16021	-.16999	-.17606	-.15204	-.14739	-.14098	-.16191	.35019	6.22619
2.500	1.693	-.16896	-.16290	-.17201	-.17673	-.15137	-.14199	-.13186	-.16461	.34318	6.22391
2.500	3.761	-.17030	-.16493	-.17269	-.17640	-.15001	-.13827	-.13085	-.16630	.33904	6.22133
	GRADIENT	-.00106	-.00114	-.00105	.00025	.00107	.00189	.00298	-.00113	-.00285	-.00183

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.670	-.09152	-.08456	-.08828	-.09726	-.10356	-.08382	-.08334	-.08564	.32091	6.17365
3.500	-6.630	-.09106	-.08454	-.08827	-.09815	-.10356	-.08472	-.08514	-.08562	.30973	6.16908
3.500	-4.587	-.09197	-.08546	-.08963	-.09816	-.10265	-.08472	-.08560	-.08654	.29957	6.16408
3.500	-2.516	-.09243	-.08637	-.09009	-.09817	-.10220	-.08474	-.08516	-.08746	.29061	6.15937
3.500	-.467	-.09422	-.08817	-.09144	-.09771	-.10174	-.08336	-.08379	-.08925	.28265	6.15583
3.500	1.590	-.09557	-.08997	-.09325	-.09680	-.10038	-.08246	-.08062	-.09152	.27705	6.15297
3.500	3.638	-.09648	-.09089	-.09371	-.09591	-.09993	-.08247	-.07746	-.09198	.27194	6.15120
	GRADIENT	-.00059	-.00070	-.00055	.00029	.00035	.00033	.00101	-.00073	-.00335	-.00156

RUN NO. 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.793	-.06169	-.05133	-.05512	-.05801	-.06770	-.05102	-.05036	-.05283	.29511	6.12993
4.500	-5.725	-.06050	-.05014	-.05392	-.05802	-.06709	-.05103	-.05037	-.05163	.28269	6.12698
4.500	-3.691	-.05990	-.05013	-.05392	-.05802	-.06770	-.05102	-.05097	-.05102	.27101	6.12380
4.500	-1.656	-.05990	-.05073	-.05452	-.05802	-.06770	-.05102	-.05097	-.05163	.25959	6.12107
4.500	.382	-.06109	-.05194	-.05512	-.05802	-.06649	-.05102	-.05037	-.05283	.25109	6.11851
4.500	2.406	-.06169	-.05314	-.05572	-.05742	-.06649	-.05102	-.05037	-.05464	.24291	6.11651
4.500	4.444	-.06229	-.05373	-.05632	-.05741	-.06649	-.05041	-.04916	-.05463	.23717	6.11444
	GRADIENT	-.00032	-.00047	-.00030	.00009	.00018	.00006	.00021	-.00050	-.00415	-.00115

LARC UPWT 117/(IA94B) OTSAT130 (RJW011) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.687	-.09049	-.08498	-.08964	-.09452	-.10593	-.07977	-.07883	-.08611	.32427	-6.17178
3.500	-6.620	-.08960	-.08454	-.08874	-.09543	-.10548	-.08160	-.08111	-.08612	.31403	-6.16676
3.500	-4.576	-.09048	-.08541	-.09008	-.09631	-.10638	-.08202	-.08153	-.08700	.30445	-6.16114
3.500	-2.515	-.09141	-.08590	-.09101	-.09634	-.10639	-.08070	-.08066	-.08794	.29544	-6.15484
3.500	-.464	-.09363	-.08813	-.09280	-.09496	-.10638	-.07931	-.07882	-.08973	.28778	-6.14974
3.500	1.592	-.09499	-.08949	-.09416	-.09271	-.10593	-.07842	-.07702	-.09155	.28239	-6.14672
3.500	3.638	-.09498	-.08994	-.09416	-.09045	-.10502	-.07886	-.07520	-.09199	.27711	-6.14468
	GRADIENT	-.00061	-.00062	-.00055	.00075	.00015	.00042	.00079	-.00066	-.00330	.00200

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.769	-.05491	-.04645	-.04968	-.05495	-.06479	-.04740	-.04674	-.04801	.30474	-6.10247
4.500	-5.750	-.05491	-.04644	-.04967	-.05495	-.06540	-.04740	-.04673	-.04800	.29252	-6.09879
4.500	-3.699	-.05550	-.04704	-.05027	-.05555	-.06600	-.04740	-.04673	-.04860	.28062	-6.09484
4.500	-1.672	-.05611	-.04765	-.05088	-.05495	-.06540	-.04740	-.04674	-.04982	.27036	-6.09112
4.500	.377	-.05730	-.04825	-.05148	-.05434	-.06540	-.04740	-.04613	-.05041	.25970	-6.08772
4.500	2.416	-.05790	-.04945	-.05269	-.05314	-.06540	-.04740	-.04553	-.05222	.25079	-6.08459
4.500	4.437	-.05910	-.05005	-.05269	-.05134	-.06540	-.04679	-.04492	-.05222	.24484	-6.08244
	GRADIENT	-.00044	-.00038	-.00033	.00050	.00006	.00006	.00024	-.00047	-.00448	.00154

LARC UPWT 117/(1A94B) OTSAT130 (RJW012) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 23/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.661	-.08867	-.08314	-.08780	-.09450	-.10592	-.08155	-.08061	-.08472	.31961	-4.08299
3.500	-6.621	-.08912	-.08359	-.08825	-.09630	-.10592	-.08200	-.08106	-.08517	.30831	-4.07910
3.500	-4.570	-.09002	-.08450	-.08962	-.09721	-.10684	-.08156	-.08016	-.08609	.29887	-4.07461
3.500	-2.519	-.09091	-.08584	-.09097	-.09766	-.10729	-.08109	-.07924	-.08744	.29141	-4.06936
3.500	-.449	-.09317	-.08766	-.09278	-.09630	-.10729	-.08064	-.07879	-.08925	.28572	-4.06595
3.500	1.586	-.09451	-.08946	-.09413	-.09313	-.10592	-.07837	-.07607	-.09151	.28001	-4.06328
3.500	3.624	-.09587	-.08992	-.09414	-.09088	-.10501	-.07657	-.07427	-.09197	.27485	-4.06196
	GRADIENT	-.00075	-.00071	-.00060	.00084	.00024	.00062	.00073	-.00077	-.00290	.00153

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.770	-.05550	-.04644	-.05027	-.05134	-.06479	-.04679	-.04553	-.04921	.30007	-4.04721
4.500	-5.736	-.05550	-.04644	-.05027	-.05194	-.06540	-.04679	-.04553	-.04860	.28661	-4.04486
4.500	-3.702	-.05610	-.04644	-.05027	-.05374	-.06540	-.04679	-.04613	-.04921	.27347	-4.04245
4.500	-1.665	-.05610	-.04765	-.05088	-.05374	-.06540	-.04679	-.04613	-.04981	.26355	-4.03966
4.500	.378	-.05730	-.04885	-.05148	-.05314	-.06540	-.04740	-.04553	-.05041	.25541	-4.03713
4.500	2.428	-.05790	-.04946	-.05269	-.05254	-.06540	-.04680	-.04614	-.05223	.24806	-4.03525
4.500	4.437	-.05850	-.05006	-.05329	-.05194	-.06540	-.04680	-.04553	-.05223	.24117	-4.03355
	GRADIENT	-.00032	-.00044	-.00039	.00024	-.00000	-.00000	.00006	-.00042	-.00393	.00109

LARC UPWT 117/(IA94B) OTSATI30 (RJW013) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.689	-.08778	-.08224	-.08600	-.09812	-.10502	-.08337	-.08243	-.08428	.31369	-.00504
3.500	-6.605	-.08777	-.08269	-.08690	-.09857	-.10501	-.08291	-.08242	-.08473	.30128	-.00386
3.500	-4.576	-.08821	-.08314	-.08780	-.09902	-.10592	-.08245	-.08105	-.08472	.29265	-.00333
3.500	-2.518	-.08956	-.08403	-.08870	-.09856	-.10546	-.08018	-.07923	-.08607	.28597	-.00261
3.500	-.470	-.09270	-.08674	-.09095	-.09674	-.10546	-.07609	-.07469	-.08833	.28168	-.00256
3.500	1.597	-.09315	-.08764	-.09095	-.09584	-.10501	-.07563	-.07378	-.09014	.27642	-.00205
3.500	3.626	-.09316	-.08765	-.09096	-.09404	-.10410	-.07474	-.07244	-.08970	.27149	-.00283
	GRADIENT	-.00066	-.00062	-.00042	.00062	.00020	.00097	.00110	-.00068	-.00253	.00008

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.796	-.05253	-.04466	-.04728	-.05616	-.06480	-.04802	-.04675	-.04621	.29435	-.00063
4.500	-5.713	-.05311	-.04465	-.04787	-.05676	-.06479	-.04801	-.04674	-.04740	.28118	-.00083
4.500	-3.679	-.05431	-.04525	-.04908	-.05676	-.06540	-.04801	-.04674	-.04801	.26985	-.00008
4.500	-1.660	-.05491	-.04705	-.05028	-.05736	-.06540	-.04801	-.04614	-.04921	.26019	.00009
4.500	.388	-.05611	-.04826	-.05149	-.05616	-.06479	-.04741	-.04614	-.04982	.25223	-.00031
4.500	2.413	-.05730	-.04825	-.05209	-.05555	-.06540	-.04740	-.04553	-.05102	.24577	-.00017
4.500	4.441	-.05790	-.04946	-.05329	-.05495	-.06479	-.04680	-.04614	-.05223	.23963	-.00009
	GRADIENT	-.00047	-.00047	-.00050	.00027	.00006	.00015	.00009	-.00050	-.00369	-.00001

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (RJW014) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.696	-.08867	-.08314	-.08599	-.09404	-.10274	-.07883	-.07789	-.08472	.32016	4.12283
3.500	-6.617	-.08868	-.08225	-.08555	-.09450	-.10274	-.08020	-.07971	-.08428	.30886	4.12016
3.500	-4.564	-.08957	-.08314	-.08645	-.09540	-.10320	-.08065	-.08016	-.08473	.29829	4.11755
3.500	-2.515	-.08958	-.08405	-.08736	-.09496	-.10229	-.08020	-.07926	-.08609	.29058	4.11368
3.500	-.464	-.09093	-.08542	-.08918	-.09496	-.10138	-.07885	-.07836	-.08746	.28410	4.11104
3.500	1.607	-.09226	-.08720	-.09097	-.09404	-.10092	-.07837	-.07652	-.08970	.27835	4.10917
3.500	3.632	-.09362	-.08857	-.09233	-.09359	-.10001	-.07748	-.07518	-.09062	.27343	4.10840
	GRADIENT	-.00053	-.00068	-.00075	.00022	.00038	.00040	.00062	-.00075	-.00302	-.00111

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.755	-.05611	-.04645	-.05028	-.05435	-.06540	-.04740	-.04614	-.04921	.29619	4.05737
4.500	-5.725	-.05610	-.04524	-.04967	-.05495	-.06479	-.04740	-.04613	-.04800	.28363	4.05573
4.500	-3.703	-.05551	-.04645	-.04968	-.05495	-.06600	-.04740	-.04674	-.04801	.27230	4.05385
4.500	-1.660	-.05611	-.04735	-.05028	-.05555	-.06540	-.04740	-.04674	-.04921	.26187	4.05189
4.500	.377	-.05671	-.04765	-.05149	-.05555	-.06540	-.04740	-.04614	-.04982	.25328	4.04992
4.500	2.415	-.05731	-.04826	-.05149	-.05496	-.06540	-.04681	-.04675	-.05103	.24560	4.04854
4.500	4.451	-.05850	-.04946	-.05269	-.05495	-.06540	-.04680	-.04614	-.05162	.23924	4.04751
	GRADIENT	-.00035	-.00035	-.00035	.00003	.00006	.00009	.00006	-.00044	-.00404	-.00079

LARC UPWT 1177(IA94B) OTSAT130 (RJW015) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.697	-.08779	-.08136	-.08556	-.09451	-.09911	-.08112	-.08109	-.08294	.32326	6.17493
3.500	-6.624	-.08823	-.08180	-.08601	-.09496	-.09956	-.08248	-.08244	-.08338	.31171	6.17021
3.500	-4.579	-.08868	-.08271	-.08646	-.09541	-.09956	-.08248	-.08289	-.08429	.30218	6.16570
3.500	-2.529	-.08958	-.08406	-.08782	-.09541	-.09911	-.08157	-.08198	-.08564	.29372	6.16065
3.500	-.468	-.09138	-.08587	-.08963	-.09451	-.09774	-.07976	-.08017	-.08746	.28578	6.15720
3.500	1.583	-.09273	-.08723	-.09099	-.09361	-.09638	-.07931	-.07655	-.08972	.28040	6.15419
3.500	3.628	-.09317	-.08766	-.09098	-.09314	-.09637	-.07929	-.07472	-.08926	.27562	6.15214
	GRADIENT	-.00059	-.00064	-.00060	.00031	.00044	.00042	.00106	-.00068	-.00324	-.00164

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.761	-.05671	-.04585	-.05028	-.05495	-.06479	-.04680	-.04674	-.04861	.29929	6.13196
4.500	-5.727	-.05491	-.04465	-.04908	-.05495	-.06540	-.04740	-.04674	-.04680	.28700	6.12826
4.500	-3.693	-.05551	-.04525	-.04908	-.05495	-.06540	-.04740	-.04734	-.04740	.27434	6.12515
4.500	-1.663	-.05611	-.04645	-.04968	-.05495	-.06540	-.04801	-.04674	-.04861	.26436	6.12263
4.500	.378	-.05730	-.04765	-.05148	-.05495	-.06479	-.04800	-.04673	-.04981	.25509	6.12007
4.500	2.414	-.05850	-.04885	-.05269	-.05434	-.06479	-.04740	-.04673	-.05162	.24681	6.11785
4.500	4.431	-.05910	-.04946	-.05269	-.05435	-.06419	-.04680	-.04614	-.05162	.24113	6.11594
	GRADIENT	-.00047	-.00053	-.00050	.00009	.00015	.00009	.00012	-.00056	-.00413	-.00114

LARC UPWT 1177(IA94B) OTSAT130 (RJW016) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.736	-.15710	-.15172	-.16152	-.19087	-.18601	-.16460	-.16425	-.15378	.37674	-6.23054
2.500	-6.634	-.16014	-.15309	-.16289	-.19121	-.18636	-.16225	-.16291	-.15583	.37084	-6.22253
2.500	-4.535	-.16483	-.15713	-.16829	-.19323	-.18907	-.15514	-.15818	-.15683	.36387	-6.21331
2.500	-2.468	-.16819	-.15983	-.17133	-.19391	-.19111	-.14974	-.15210	-.16022	.35907	-6.20669
2.500	-.385	-.17150	-.16416	-.17399	-.19355	-.19244	-.14190	-.14393	-.16422	.35198	-6.20036
2.500	1.698	-.17254	-.16555	-.17571	-.19155	-.19212	-.13689	-.13554	-.16562	.34735	-6.19760
2.500	3.756	-.16952	-.16487	-.17605	-.18581	-.19008	-.13417	-.12809	-.16460	.34383	-6.19375
	GRADIENT	-.00066	-.00102	-.00096	.00083	-.00015	.00264	.00370	-.00101	-.00250	.00232

LARC UPWT 1177(IA94B) OTSAT130 (RJW017) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.770	-.15749	-.14909	-.16022	-.19123	-.19045	-.14978	-.14910	-.15215	.37420	-4.15088
2.500	-6.641	-.15982	-.15143	-.16223	-.19190	-.18943	-.15686	-.15516	-.15382	.36854	-4.14518
2.500	-4.530	-.16248	-.15410	-.16424	-.19290	-.18975	-.15447	-.15277	-.15515	.36123	-4.13605
2.500	-2.493	-.16452	-.15649	-.16663	-.19359	-.19045	-.14977	-.14740	-.15754	.35657	-4.13150
2.500	-.379	-.16854	-.16053	-.16966	-.19257	-.19044	-.13997	-.13895	-.16159	.35108	-4.12726
2.500	1.696	-.16924	-.16258	-.17171	-.19057	-.19046	-.13393	-.13326	-.16399	.34539	-4.12462
2.500	3.753	-.16825	-.16226	-.17274	-.18721	-.18911	-.13294	-.12923	-.16265	.34275	-4.12232
	GRADIENT	-.00078	-.00108	-.00106	.00069	.00006	.00284	.00295	-.00103	-.00232	.00165

LARC UPWT 1177(1A94B) OTSAT130 (RJW018) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 317 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.738	-.14846	-.14170	-.15181	-.18956	-.18267	-.15690	-.15419	-.14440	.36993	-.02151
2.500	-6.653	-.14806	-.14399	-.15479	-.18919	-.18195	-.15549	-.15345	-.14670	.36179	-.01974
2.500	-4.550	-.15205	-.14732	-.16184	-.18883	-.17887	-.15376	-.15139	-.14937	.35395	-.01725
2.500	-2.460	-.15557	-.15053	-.16570	-.18825	-.17831	-.14954	-.14549	-.15224	.34968	-.01706
2.500	-.389	-.15854	-.15386	-.16634	-.18722	-.17862	-.14410	-.13836	-.15524	.34700	-.01666
2.500	1.709	-.16054	-.15687	-.16700	-.18552	-.17962	-.13935	-.13361	-.15826	.34260	-.01621
2.500	3.759	-.15952	-.15484	-.16632	-.18383	-.17656	-.13596	-.13191	-.15622	.33835	-.01630
	GRADIENT	-.00096	-.00103	-.00049	.00061	.00016	.00220	.00245	-.00095	-.00184	.00013

LARC UPWT 1177(1A94B) OTSAT130 (RJW019) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 347 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.739	-.15615	-.14842	-.15651	-.18315	-.16807	-.15012	-.15113	-.14911	.37432	4.13463
2.500	-6.685	-.15685	-.15047	-.15823	-.18350	-.17148	-.15150	-.15386	-.15252	.36831	4.13200
2.500	-4.554	-.15783	-.15230	-.16090	-.18079	-.16197	-.15012	-.14978	-.15485	.36112	4.12688
2.500	-2.474	-.16016	-.15481	-.16494	-.17876	-.15619	-.14639	-.14436	-.15585	.35550	4.12460
2.500	-.383	-.16421	-.15820	-.16935	-.17944	-.15655	-.14237	-.13730	-.15925	.35086	4.12132
2.500	1.695	-.16825	-.16091	-.17240	-.18014	-.15759	-.13632	-.12721	-.16232	.34415	4.11907
2.500	3.774	-.16923	-.16223	-.17272	-.18012	-.15756	-.13493	-.12717	-.16364	.34132	4.11688
	GRADIENT	-.00148	-.00120	-.00149	-.00000	.00036	.00194	.00300	-.00115	-.00245	-.00123

LARC UPWT 117/(IA94B) OTSAT130 (RJW020) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.741	-.15615	-.14842	-.15719	-.18146	-.16536	-.15857	-.15923	-.14979	.37580	6.24639
2.500	-6.660	-.15917	-.15145	-.16090	-.18146	-.16604	-.15722	-.15924	-.15249	.36909	6.24225
2.500	-4.563	-.16052	-.15348	-.16293	-.17978	-.16265	-.15452	-.15553	-.15520	.36246	6.23607
2.500	-2.478	-.16256	-.15621	-.16600	-.17644	-.15523	-.15085	-.14882	-.15793	.35667	6.23087
2.500	-.395	-.16622	-.15921	-.16901	-.17473	-.15045	-.14541	-.13764	-.16060	.35008	6.22662
2.500	1.689	-.16856	-.16189	-.17103	-.17506	-.14908	-.13898	-.12750	-.16397	.34289	6.22364
2.500	3.756	-.16991	-.16392	-.17205	-.17372	-.14672	-.13629	-.12987	-.16533	.33954	6.22008
	GRADIENT	-.00119	-.00128	-.00112	.00065	.00183	.00232	.00349	-.00126	-.00287	-.00188

LARC UPWT 117/(IA94B) OTSAT130 (RJW021) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.673	-.08949	-.08310	-.08777	-.09717	-.10411	-.08199	-.08194	-.08425	.32330	-6.15459
3.500	-6.610	-.08904	-.08356	-.08823	-.09762	-.10457	-.08335	-.08285	-.08471	.31263	-6.14843
3.500	-4.569	-.09038	-.08430	-.08958	-.09762	-.10457	-.08334	-.08285	-.08561	.30288	-6.14282
3.500	-2.512	-.09173	-.08536	-.09049	-.09807	-.10457	-.08244	-.08239	-.08697	.29395	-6.13639
3.500	-.455	-.09308	-.08716	-.09230	-.09671	-.10502	-.08108	-.08103	-.08832	.28626	-6.13150
3.500	1.584	-.09488	-.08806	-.09320	-.09535	-.10502	-.08017	-.07922	-.08968	.28077	-6.12861
3.500	3.632	-.09533	-.08897	-.09365	-.09219	-.10411	-.07971	-.07786	-.09059	.27546	-6.12642
	GRADIENT	-.00064	-.00062	-.00053	.00066	.00002	.00046	.00064	-.00062	-.00332	.00198

LARC UPWT 1177(IA94B) OTSAT130 (RJW021) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.765	-.05838	-.04819	-.05265	-.05248	-.06480	-.04737	-.04610	-.04978	.30290	-6.10283
4.500	-5.725	-.05774	-.04751	-.05137	-.05302	-.06478	-.04789	-.04662	-.04910	.29079	-6.09985
4.500	-3.698	-.05719	-.04760	-.05205	-.05369	-.06480	-.04798	-.04671	-.04918	.27968	-6.09611
4.500	-1.648	-.05718	-.04758	-.05204	-.05368	-.06480	-.04797	-.04669	-.04917	.26882	-6.09214
4.500	.383	-.05838	-.04819	-.05204	-.05248	-.06419	-.04797	-.04610	-.04978	.25745	-6.08859
4.500	2.422	-.05838	-.04939	-.05325	-.05188	-.06480	-.04797	-.04610	-.05099	.24854	-6.08568
4.500	4.444	-.05957	-.04998	-.05324	-.05127	-.06419	-.04796	-.04548	-.05158	.24342	-6.08316
	GRADIENT	-.00029	-.00032	-.00018	.00033	.00006	.00000	.00015	-.00033	-.00456	.00159

LARC UPWT 1177(IA94B) OTSAT130 (RJW022) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 38/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.683	-.09038	-.08399	-.08957	-.09354	-.10456	-.08107	-.08012	-.08514	.31888	-4.10108
3.500	-6.621	-.08994	-.08355	-.08913	-.09491	-.10457	-.08199	-.08104	-.08470	.30738	-4.09747
3.500	-4.546	-.09127	-.08338	-.09002	-.09580	-.10547	-.08151	-.08056	-.08514	.29757	-4.09252
3.500	-2.512	-.09172	-.08533	-.09092	-.09670	-.10592	-.08151	-.08056	-.08649	.29009	-4.08832
3.500	-.469	-.09352	-.08669	-.09228	-.09580	-.10592	-.08060	-.07920	-.08831	.28429	-4.08435
3.500	1.587	-.09487	-.08805	-.09364	-.09489	-.10547	-.07970	-.07830	-.09012	.27840	-4.08174
3.500	3.631	-.09577	-.08941	-.09410	-.09354	-.10501	-.07834	-.07649	-.09058	.27328	-4.08021
	GRADIENT	-.00059	-.00066	-.00053	.00031	.00007	.00040	.00051	-.00071	-.00295	.00153

LARC UPWT 1177(IA94B) OTSAT130 (RJW022) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.758	-.05836	-.04815	-.05201	-.05125	-.06479	-.04733	-.04605	-.04974	.29796	-4.06564
4.500	-5.736	-.05718	-.04697	-.05143	-.05187	-.06419	-.04736	-.04669	-.04917	.28494	-4.06336
4.500	-3.669	-.05717	-.04696	-.05142	-.05246	-.06419	-.04795	-.04607	-.04855	.27239	-4.06122
4.500	-1.666	-.05778	-.04759	-.05144	-.05248	-.06480	-.04737	-.04670	-.04918	.26169	-4.05830
4.500	.389	-.05778	-.04819	-.05204	-.05308	-.06540	-.04677	-.04670	-.04918	.25415	-4.05605
4.500	2.417	-.05838	-.04878	-.05264	-.05248	-.06540	-.04736	-.04669	-.05098	.24678	-4.05402
4.500	4.445	-.05958	-.04999	-.05384	-.05188	-.06480	-.04676	-.04609	-.05158	.23978	-4.05211
	GRADIENT	-.00027	-.00036	-.00030	.00006	-.00009	.00012	-.00000	-.00039	-.00394	.00111

LARC UPWT 1177(IA94B) OTSAT130 (RJW023) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.673	-.08856	-.08217	-.08639	-.09851	-.10365	-.08423	-.08373	-.08377	.31305	-.00618
3.500	-6.605	-.08859	-.08266	-.08733	-.09853	-.10411	-.08381	-.08286	-.08426	.30085	-.00535
3.500	-4.556	-.08904	-.08256	-.08778	-.09853	-.10412	-.08426	-.08241	-.08426	.29128	-.00490
3.500	-2.511	-.09033	-.08394	-.08908	-.09849	-.10454	-.08192	-.08097	-.08555	.28468	-.00403
3.500	-.465	-.09258	-.08619	-.09088	-.09803	-.10454	-.08009	-.07823	-.08735	.27991	-.00377
3.500	1.581	-.09351	-.08713	-.09137	-.09760	-.10410	-.07832	-.07692	-.08920	.27543	-.00347
3.500	3.634	-.09399	-.08763	-.09141	-.09672	-.10366	-.07747	-.07562	-.08925	.26981	-.00367
	GRADIENT	-.00064	-.00064	-.00047	.00022	.00007	.00084	.00086	-.00067	-.00255	.00015

LARC UPWT 1177(IA94B) OTSAT130 (RJW023) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.764	-.05359	-.04458	-.04782	-.05488	-.06359	-.04616	-.04609	-.04616	.29246	-.00020
4.500	-5.728	-.05418	-.04516	-.04841	-.05548	-.06358	-.04675	-.04668	-.04675	.27889	-.00007
4.500	-3.678	-.05538	-.04577	-.04962	-.05548	-.06358	-.04675	-.04669	-.04675	.26773	.00069
4.500	-1.655	-.05599	-.04699	-.05084	-.05610	-.06420	-.04738	-.04611	-.04798	.25814	.00065
4.500	.380	-.05656	-.04814	-.05200	-.05546	-.06418	-.04672	-.04605	-.04913	.24960	.00039
4.500	2.416	-.05779	-.04880	-.05205	-.05490	-.06359	-.04678	-.04611	-.05040	.24304	.00035
4.500	4.438	-.05836	-.04936	-.05322	-.05487	-.06358	-.04673	-.04606	-.05096	.23745	.00040
	GRADIENT	-.00038	-.00044	-.00041	.00012	.00003	.00003	.00006	-.00053	-.00373	-.00004

LARC UPWT 1177(IA94B) OTSAT130 (RJW024) (02 JU 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.670	-.08856	-.08125	-.08457	-.09624	-.10455	-.08286	-.08236	-.08240	.31938	4.08527
3.500	-6.627	-.08903	-.08218	-.08505	-.09626	-.10456	-.08333	-.08329	-.08379	.30787	4.08301
3.500	-4.585	-.08992	-.08308	-.08640	-.09625	-.10410	-.08242	-.08237	-.08378	.29745	4.07999
3.500	-2.521	-.09082	-.08399	-.08776	-.09625	-.10319	-.08151	-.08147	-.08514	.28965	4.07598
3.500	-.467	-.09171	-.08487	-.08865	-.09624	-.10273	-.08104	-.08009	-.08648	.28264	4.07323
3.500	1.583	-.09261	-.08669	-.09092	-.09534	-.10182	-.08014	-.07829	-.08876	.27696	4.07165
3.500	3.633	-.09396	-.08804	-.09227	-.09443	-.10137	-.07923	-.07647	-.08966	.27208	4.07038
	GRADIENT	-.00048	-.00061	-.00073	.00022	.00033	.00038	.00073	-.00075	-.00309	-.00115

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA948) OTSAT130 (RJW024) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.748	-.05478	-.04457	-.04842	-.05428	-.06540	-.04796	-.04789	-.04815	.29626	4.07647
4.500	-5.707	-.05479	-.04458	-.04842	-.05428	-.06480	-.04857	-.04790	-.04816	.28345	4.07462
4.500	-3.683	-.05598	-.04518	-.04963	-.05488	-.06540	-.04857	-.04730	-.04736	.27154	4.07233
4.500	-1.656	-.05659	-.04639	-.05024	-.05549	-.06541	-.04798	-.04791	-.04798	.26101	4.07059
4.500	.383	-.05717	-.04697	-.05082	-.05487	-.06479	-.04795	-.04789	-.04855	.25271	4.06855
4.500	2.416	-.05777	-.04756	-.05142	-.05487	-.06479	-.04734	-.04738	-.04976	.24522	4.06745
4.500	4.440	-.05838	-.04939	-.05325	-.05489	-.06480	-.04677	-.04730	-.05099	.23855	4.06670
	GRADIENT	-.00029	-.00047	-.00041	.00003	.00009	.00021	.00033	-.00044	-.00402	-.00071

LARC UPWT 1177(IA948) OTSAT130 (RJW025) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.689	-.08902	-.08218	-.08685	-.09444	-.09955	-.08106	-.08102	-.08333	.32216	6.15646
3.500	-6.615	-.08857	-.08173	-.08595	-.09535	-.10001	-.08242	-.08283	-.08333	.31132	6.15217
3.500	-4.568	-.08946	-.08217	-.08685	-.09534	-.09955	-.08287	-.08282	-.08377	.30108	6.14739
3.500	-2.515	-.09037	-.08308	-.08776	-.09490	-.09910	-.08152	-.08238	-.08469	.29223	6.14273
3.500	-.461	-.09216	-.08533	-.08956	-.09489	-.09818	-.08020	-.08056	-.08649	.28414	6.13894
3.500	1.586	-.09306	-.08714	-.09092	-.09398	-.09773	-.07969	-.07874	-.08830	.27858	6.13621
3.500	3.625	-.09441	-.08759	-.09182	-.09307	-.09681	-.07948	-.07811	-.08920	.27401	6.13404
	GRADIENT	-.00061	-.00073	-.00064	.00027	.00033	.00040	.00093	-.00071	-.00331	-.00162

LARC UPWT 1177(IA94B) OTSAT130 (RJW025) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.761	-.05778	-.04759	-.05144	-.05429	-.06480	-.04737	-.04730	-.04918	.29888	6.11330
4.500	-5.729	-.05537	-.04515	-.04901	-.05547	-.06419	-.04795	-.04848	-.04614	.28627	6.10995
4.500	-3.692	-.05538	-.04516	-.04962	-.05548	-.06419	-.04795	-.04849	-.04614	.27350	6.10655
4.500	-1.658	-.05599	-.04639	-.05084	-.05549	-.06359	-.04797	-.04851	-.04797	.26357	6.10459
4.500	.369	-.05718	-.04758	-.05144	-.05549	-.06359	-.04857	-.04850	-.04857	.25440	6.10178
4.500	2.402	-.05838	-.04819	-.05265	-.05489	-.06359	-.04797	-.04791	-.04978	.24677	6.09969
4.500	4.444	-.05897	-.04938	-.05324	-.05488	-.06298	-.04796	-.04729	-.05037	.24044	6.09762
	GRADIENT	-.00047	-.00050	-.00045	.00009	.00012	-.00000	.00015	-.00051	-.00408	-.00112

LARC UPWT 1177(IA94B) OTSAT130 (RJW026) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.759	-.15677	-.14906	-.15950	-.18878	-.18461	-.15616	-.15649	-.15111	.37510	-6.23091
2.500	-6.649	-.15946	-.15075	-.15985	-.18912	-.18428	-.15954	-.16223	-.15314	.36959	-6.22330
2.500	-4.546	-.16346	-.15208	-.16422	-.19214	-.18664	-.15717	-.15986	-.15245	.36230	-6.21391
2.500	-2.497	-.16549	-.15345	-.16795	-.19249	-.18801	-.15315	-.15449	-.15281	.35700	-6.20646
2.500	-.388	-.16818	-.15716	-.17065	-.19216	-.18835	-.14743	-.14877	-.15619	.34989	-6.19960
2.500	1.690	-.16854	-.15854	-.17169	-.18949	-.18702	-.14410	-.14241	-.15825	.34463	-6.19725
2.500	3.752	-.16452	-.15752	-.17033	-.18477	-.18498	-.14307	-.13801	-.15824	.34153	-6.19431
	GRADIENT	-.00025	-.00077	-.00077	.00085	.00021	.00179	.00268	-.00082	-.00259	.00233

LARC UPWT 1177(IA94B) OTSAT130 (RJW026) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.695	-.09261	-.08395	-.08996	-.09619	-.10670	-.07965	-.07916	-.08553	.32285	-6.15469
3.500	-6.634	-.09036	-.08304	-.08860	-.09709	-.10670	-.08145	-.08096	-.08462	.31266	-6.14893
3.500	-4.580	-.09037	-.08305	-.08906	-.09755	-.10716	-.08237	-.08188	-.08463	.30219	-6.14326
3.500	-2.537	-.09171	-.08395	-.09041	-.09755	-.10761	-.08191	-.08142	-.08644	.29311	-6.13731
3.500	-.469	-.09396	-.08576	-.09132	-.09665	-.10761	-.08056	-.08007	-.08780	.28528	-6.13249
3.500	1.585	-.09487	-.08757	-.09223	-.09484	-.10716	-.08011	-.07917	-.08961	.27921	-6.12938
3.500	3.640	-.09576	-.08756	-.09268	-.09349	-.10670	-.08011	-.07781	-.08961	.27402	-6.12753
	GRADIENT	-.00068	-.00061	-.00044	.00053	.00007	.00031	.00051	-.00064	-.00342	.00192

RUN NO. 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.760	-.05589	-.04864	-.05127	-.05474	-.06942	-.04840	-.04713	-.05081	.30212	-6.10432
4.500	-5.727	-.05469	-.04804	-.05067	-.05473	-.06942	-.04839	-.04652	-.05020	.28993	-6.10116
4.500	-3.692	-.05409	-.04744	-.05067	-.05474	-.06942	-.04840	-.04713	-.05021	.27876	-6.09705
4.500	-1.674	-.05470	-.04805	-.05128	-.05474	-.06942	-.04841	-.04714	-.05021	.26824	-6.09336
4.500	.380	-.05469	-.04864	-.05127	-.05473	-.06942	-.04839	-.04652	-.05020	.25725	-6.08990
4.500	2.413	-.05709	-.05045	-.05248	-.05353	-.06881	-.04840	-.04653	-.05262	.24805	-6.08684
4.500	4.447	-.05829	-.05105	-.05309	-.05053	-.06760	-.04780	-.04593	-.05383	.24211	-6.08426
	GRADIENT	-.00053	-.00047	-.00030	.00047	.00021	.00006	.00015	-.00047	-.00459	.00158

LARC UPWT 1177(1A94B) OTSAT130 (RJW027) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.741	-.15413	-.14372	-.15482	-.19015	-.18666	-.15586	-.15484	-.14710	.37187	-4.15079
2.500	-6.639	-.15613	-.14472	-.15819	-.19048	-.18700	-.15889	-.15720	-.14507	.36610	-4.14516
2.500	-4.548	-.15919	-.14646	-.15992	-.19320	-.18737	-.15827	-.15523	-.14715	.35959	-4.13839
2.500	-2.467	-.16052	-.14779	-.16126	-.19353	-.18702	-.15590	-.15320	-.14849	.35426	-4.13182
2.500	-.392	-.16385	-.15316	-.16629	-.19218	-.18634	-.14881	-.14712	-.15386	.34898	-4.12865
2.500	1.690	-.16414	-.15612	-.16894	-.18979	-.18597	-.14301	-.14200	-.15718	.34148	-4.12432
2.500	3.770	-.16066	-.15531	-.16748	-.18702	-.18487	-.14184	-.13913	-.15603	.33992	-4.12190
	GRADIENT	-.00032	-.00125	-.00110	.00077	.00029	.00220	.00209	-.00127	-.00251	.00195

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.707	-.09259	-.08437	-.08994	-.09346	-.10715	-.08907	-.07822	-.08596	.31805	4.08368
3.500	-6.624	-.09079	-.08256	-.08812	-.09527	-.10760	-.08142	-.08003	-.08459	.30666	4.07994
3.500	-4.582	-.09078	-.08300	-.08902	-.09707	-.10805	-.08186	-.08047	-.08458	.29644	4.07595
3.500	-2.513	-.09123	-.08390	-.08998	-.09752	-.10851	-.08231	-.08046	-.08548	.28882	4.07093
3.500	-.470	-.09303	-.08527	-.09129	-.09752	-.10851	-.08187	-.08002	-.08685	.28265	4.06751
3.500	1.590	-.09439	-.08663	-.09220	-.09662	-.10851	-.08097	-.07912	-.08867	.27677	4.06511
3.500	3.634	-.09529	-.08754	-.09220	-.09482	-.10806	-.08007	-.07777	-.08958	.27176	4.06336
	GRADIENT	-.00059	-.00058	-.00042	.00026	-.00000	.00024	.00033	-.00064	-.00299	.00151

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.762	-.05589	-.04835	-.05128	-.05113	-.06760	-.04780	-.04654	-.05142	.29757	4.06720
4.500	-5.716	-.05470	-.04745	-.05007	-.05173	-.06821	-.04780	-.04654	-.05021	.28420	4.06498
4.500	-3.695	-.05530	-.04745	-.05068	-.05294	-.06821	-.04780	-.04593	-.04961	.27186	4.06244
4.500	-1.648	-.05469	-.04804	-.05067	-.05353	-.06881	-.04780	-.04653	-.05021	.26098	-4.05971
4.500	.381	-.05589	-.04864	-.05127	-.05413	-.06881	-.04780	-.04713	-.05081	.25354	-4.05740
4.500	2.418	-.05709	-.04985	-.05248	-.05294	-.06881	-.04780	-.04654	-.05323	.24570	-4.05564
4.500	4.455	-.05709	-.05045	-.05308	-.05233	-.06881	-.04780	-.04653	-.05322	.23920	-4.05387
	GRADIENT	-.00029	-.00038	-.00032	.00009	-.00006	-.00000	-.00006	-.00050	-.00396	.00104

LARC UPWT 117/(IA94B) OTSAT130 (RJW028) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI .000
ELV-RO = .000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.737	-.14469	-.13524	-.14634	-.18641	-.18053	-.16525	-.16321	-.13759	.36898	-.02313
2.500	-6.639	-.14569	-.13759	-.15072	-.18641	-.17918	-.16390	-.16220	-.13961	.36167	-.01565
2.500	-4.541	-.14836	-.14027	-.15576	-.18573	-.17714	-.16254	-.16050	-.14230	.35419	-.01812
2.500	-2.471	-.15067	-.14225	-.15843	-.18504	-.17644	-.15981	-.15677	-.14429	.34946	-.01688
2.500	-.384	-.15335	-.14527	-.16078	-.18504	-.17677	-.15440	-.14900	-.14698	.34669	-.01656
2.500	1.678	-.15475	-.14736	-.16118	-.18440	-.17783	-.15075	-.14502	-.14907	.34203	-.01599
2.500	3.755	-.15271	-.14598	-.15677	-.18236	-.17645	-.14667	-.14329	-.14769	.33729	-.01497
	GRADIENT	-.00062	-.00080	-.00023	.00036	-.00000	.00197	.00223	-.00075	-.00199	.00035

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.694	-.08808	-.07984	-.08404	-.10069	-.10532	-.08504	-.08409	-.08141	.31361	-.00573
3.500	-6.608	-.08808	-.08029	-.08449	-.10069	-.10532	-.08458	-.08364	-.08187	.30121	-.00542
3.500	-4.580	-.08945	-.08077	-.08587	-.10115	-.10624	-.08415	-.08321	-.08280	.29181	-.00473
3.500	-2.530	-.08990	-.08167	-.08678	-.10115	-.10669	-.08325	-.08185	-.08370	.28513	-.00407
3.500	-.466	-.09169	-.08347	-.08858	-.10069	-.10624	-.08143	-.07958	-.08551	.28042	-.00402
3.500	1.578	-.09305	-.08529	-.08905	-.09889	-.10624	-.07963	-.07779	-.08733	.27494	-.00387
3.500	3.625	-.09395	-.08619	-.08949	-.09799	-.10533	-.07872	-.07687	-.08778	.26964	-.00419
	GRADIENT	-.00059	-.00070	-.00046	.00042	.00011	.00071	.00082	-.00066	-.00266	.00006

RUN NO. 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.775	-.05110	-.04413	-.04705	-.05774	-.06942	-.04900	-.04652	-.04719	.29151	-.01952
4.500	-5.717	-.05170	-.04504	-.04766	-.05774	-.06942	-.04900	-.04713	-.04719	.27871	-.01951
4.500	-3.691	-.05289	-.04563	-.04886	-.05774	-.06881	-.04839	-.04652	-.04839	.26753	-.01934
4.500	-1.668	-.05350	-.04684	-.04947	-.05774	-.06942	-.04840	-.04653	-.04900	.25779	-.01895
4.500	.380	-.05410	-.04805	-.05068	-.05835	-.07002	-.04841	-.04654	-.05021	.24946	-.01923
4.500	2.423	-.05530	-.04865	-.05188	-.05775	-.07002	-.04841	-.04654	-.05202	.24289	-.01919
4.500	4.450	-.05649	-.04925	-.05248	-.05654	-.06942	-.04841	-.04654	-.05262	.23695	-.01913
	GRADIENT	-.00044	-.00044	-.00047	.00012	-.00009	-.00000	-.00000	-.00056	-.00373	.00001

LARC UPWT 1177(IA94B) OTSAT130 (RJW029) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.771	-.15304	-.14194	-.15170	-.18337	-.17848	-.16050	-.16387	-.14194	.37177	4.15109
2.500	-6.658	-.15549	-.14475	-.15451	-.18141	-.17483	-.15959	-.16227	-.14678	.36588	4.14815
2.500	-4.576	-.15644	-.14739	-.15614	-.17735	-.15990	-.15718	-.15751	-.15010	.35856	4.14648
2.500	-2.475	-.15646	-.14875	-.15717	-.17534	-.15349	-.15450	-.15348	-.15080	.35298	4.14155
2.500	-.397	-.15882	-.15281	-.16022	-.17603	-.15351	-.14947	-.14609	-.15453	.34833	4.13849
2.500	1.673	-.16519	-.15618	-.16663	-.17671	-.15555	-.14645	-.13971	-.15757	.34164	4.13712
2.500	3.747	-.16682	-.15747	-.16658	-.17667	-.15550	-.14437	-.13796	-.15853	.33865	4.13531
	GRADIENT	-.00142	-.00133	-.00146	.00000	.00033	.00162	.00254	-.00114	-.00246	-.00129

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.686	-.08764	-.07939	-.08224	-.09707	-.10714	-.08368	-.08319	-.08051	.31753	4.10387
3.500	-6.638	-.08853	-.08029	-.08359	-.09752	-.10623	-.08413	-.08364	-.08187	.30607	4.10136
3.500	-4.590	-.08945	-.08122	-.08497	-.09708	-.10397	-.08280	-.08230	-.08280	.29564	4.09812
3.500	-2.532	-.09078	-.08255	-.08631	-.09662	-.10260	-.08232	-.08138	-.08459	.28758	4.09426
3.500	-.464	-.09169	-.08391	-.08767	-.09617	-.10169	-.08097	-.08047	-.08550	.28081	4.09152
3.500	1.585	-.09259	-.08527	-.08903	-.09572	-.10123	-.08097	-.07957	-.08777	.27499	4.08972
3.500	3.624	-.09393	-.08708	-.09084	-.09481	-.09987	-.08051	-.07821	-.08912	.27002	4.08879
	GRADIENT	-.00052	-.00070	-.00070	.00026	.00047	.00029	.00049	-.00077	-.00311	-.00113

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.765	-.05350	-.04534	-.04826	-.05413	-.06881	-.04840	-.04713	-.04780	.29435	4.07430
4.500	-5.734	-.05290	-.04565	-.04827	-.05474	-.06881	-.04780	-.04774	-.04841	.28174	4.07250
4.500	-3.680	-.05350	-.04625	-.04887	-.05534	-.06881	-.04780	-.04774	-.04841	.27000	4.07022
4.500	-1.646	-.05410	-.04685	-.04947	-.05534	-.06821	-.04780	-.04714	-.04901	.26001	4.06814
4.500	.377	-.05530	-.04745	-.05068	-.05594	-.06881	-.04841	-.04774	-.04961	.25175	4.06647
4.500	2.428	-.05530	-.04805	-.05128	-.05534	-.06821	-.04841	-.04774	-.05142	.24385	4.06537
4.500	4.442	-.05649	-.04985	-.05248	-.05534	-.06821	-.04780	-.04714	-.05262	.23736	4.06419
	GRADIENT	-.00035	-.00041	-.00044	.00000	.00006	-.00003	.00006	-.00053	-.00401	-.00073

LARC UPWT 117/(IA94B) OTSAT130 (RJW030) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPBI	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.762	-.15479	-.14472	-.15549	-.17602	-.15957	-.15889	-.15720	-.14541	.37297	6.24765
2.500	-6.655	-.15712	-.14672	-.15784	-.17668	-.16228	-.16090	-.16190	-.14741	.36695	6.24333
2.500	-4.571	-.16048	-.14977	-.16088	-.17467	-.15857	-.15957	-.16091	-.15080	.35991	6.23752
2.500	-2.486	-.16112	-.15141	-.16052	-.17229	-.15346	-.15751	-.15784	-.15313	.35337	6.23233
2.500	-.397	-.16353	-.15485	-.16260	-.17100	-.14846	-.15388	-.14882	-.15725	.34726	6.22644
2.500	1.684	-.16684	-.15884	-.16627	-.17198	-.14706	-.14709	-.13765	-.16158	.34051	6.22413
2.500	3.751	-.16848	-.16082	-.16691	-.17161	-.14532	-.14570	-.13794	-.16358	.33724	6.22255
	GRADIENT	-.00104	-.00142	-.00086	.00031	.00158	.00183	.00318	-.00163	-.00280	-.00183

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPBI	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.679	-.08854	-.07985	-.08405	-.09527	-.09942	-.08233	-.08229	-.08188	.32054	6.05918
3.500	-6.648	-.08809	-.07985	-.08405	-.09527	-.09987	-.08369	-.08320	-.08188	.30921	6.05489
3.500	-4.568	-.08854	-.08075	-.08450	-.09527	-.09941	-.08369	-.08365	-.08233	.29937	6.05017
3.500	-2.522	-.09078	-.08210	-.08631	-.09526	-.09850	-.08278	-.08274	-.08414	.29047	6.04496
3.500	-.471	-.09258	-.08481	-.08902	-.09436	-.09714	-.08141	-.08137	-.08640	.28231	6.04114
3.500	1.599	-.09393	-.08617	-.08993	-.09391	-.09577	-.08142	-.07911	-.08821	.27665	6.03871
3.500	3.638	-.09483	-.08617	-.08993	-.09300	-.09487	-.08142	-.07730	-.08867	.27186	6.03701
	GRADIENT	-.00077	-.00073	-.00071	.00029	.00058	.00029	.00080	-.00082	-.00335	-.00159

RUN NO. 63/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPBI	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.756	-.05470	-.04625	-.04947	-.05534	-.06700	-.04901	-.04774	-.04901	.29657	6.13000
4.500	-5.728	-.05410	-.04504	-.04887	-.05534	-.06700	-.04901	-.04774	-.04780	.28545	6.12708
4.500	-3.702	-.05350	-.04624	-.04886	-.05534	-.06760	-.04900	-.04834	-.04840	.27330	6.12375
4.500	-1.647	-.05410	-.04625	-.04947	-.05534	-.06700	-.04841	-.04834	-.04841	.26209	6.12074
4.500	.380	-.05530	-.04685	-.05007	-.05534	-.06639	-.04841	-.04834	-.04961	.25312	6.11805
4.500	2.423	-.05650	-.04866	-.05128	-.05535	-.06640	-.04902	-.04835	-.05142	.24483	6.11614
4.500	4.445	-.05709	-.04985	-.05248	-.05474	-.06518	-.04841	-.04714	-.05202	.23908	6.11398
	GRADIENT	-.00047	-.00047	-.00044	.00006	.00027	.00003	.00012	-.00050	-.00421	-.00119

LARC UPWT 117/(IA94B) OTSAT130 (INVERTED) (RJW031) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-3.951	-.14992	-.14149	-.15868	-.18596	-.17838	-.15533	-.15060	-.14319	.35308	.00550
2.500	-1.866	-.15230	-.14322	-.16107	-.18463	-.17874	-.14998	-.14390	-.14424	.34851	.00682
2.500	.226	-.15357	-.14516	-.16134	-.18324	-.17903	-.14787	-.14112	-.14618	.34503	.00665
2.500	1.383	-.15392	-.14619	-.16103	-.18224	-.17871	-.14621	-.13946	-.14722	.34216	.00699
2.500	2.312	-.15342	-.14635	-.16054	-.18146	-.17656	-.14501	-.13993	-.14738	.33868	.00685
2.500	4.396	-.14876	-.14335	-.15212	-.18216	-.17454	-.14370	-.13693	-.14403	.33436	.00656
2.500	6.464	-.14811	-.14371	-.14944	-.18116	-.17354	-.13956	-.12716	-.14372	.33133	.00802
2.500	8.574	-.15146	-.14640	-.14943	-.18149	-.17354	-.13763	-.12377	-.14777	.32970	.00757
	GRADIENT	.00001	-.00037	.00059	.00053	.00043	.00137	.00153	-.00027	-.00225	.00011

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-3.744	-.09201	-.08379	-.08844	-.09513	-.10337	-.07722	-.07582	-.08492	.29295	.01351
3.500	-1.697	-.09381	-.08514	-.08935	-.09378	-.10246	-.07586	-.07447	-.08673	.28580	.01360
3.500	.363	-.09470	-.08604	-.08980	-.09287	-.10155	-.07586	-.07356	-.08718	.27975	.01395
3.500	2.427	-.09380	-.08559	-.08980	-.09197	-.10109	-.07449	-.07310	-.08717	.27300	.01371
3.500	4.477	-.09335	-.08513	-.08934	-.09196	-.10063	-.07358	-.07173	-.08626	.26719	.01356
3.500	6.523	-.09111	-.08334	-.08664	-.09243	-.10110	-.07361	-.07131	-.08492	.26185	.01373
3.500	8.575	-.09111	-.08288	-.08663	-.09332	-.10155	-.07460	-.07220	-.08446	.25569	.01441
	GRADIENT	-.00013	-.00015	-.00011	.00040	.00033	.00042	.00046	-.00015	-.00313	.00001

RUN NO. 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-4.512	-.05571	-.04847	-.05230	-.05395	-.06741	-.04641	-.04575	-.05123	.27359	-.00432
4.500	-2.491	-.05750	-.04907	-.05290	-.05395	-.06681	-.04641	-.04575	-.05244	.26299	-.00384
4.500	-.428	-.05750	-.04966	-.05350	-.05395	-.06680	-.04641	-.04574	-.05243	.25335	-.00399
4.500	1.597	-.05810	-.05026	-.05350	-.05395	-.06680	-.04580	-.04574	-.05243	.24580	-.00385
4.500	3.647	-.05810	-.05026	-.05289	-.05395	-.06620	-.04641	-.04514	-.05243	.23963	-.00344
4.500	5.673	-.05750	-.04967	-.05290	-.05395	-.06681	-.04581	-.04515	-.05244	.23306	-.00317
4.500	7.709	-.05750	-.04966	-.05289	-.05455	-.06680	-.04701	-.04634	-.05183	.22727	-.00282
	GRADIENT	-.00026	-.00023	-.00009	.00000	.00012	.00003	.00006	-.00012	-.00417	.00009

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 117/(IA94B) OTSAT130 (RJW032) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.487	-.15554	-.14879	-.15892	-.18629	-.18171	-.16538	-.16537	-.15116	.37218	-6.22753
2.500	-6.365	-.15855	-.15113	-.15992	-.18763	-.18238	-.16333	-.16569	-.15318	.36835	-6.22207
2.500	-4.280	-.16173	-.15198	-.16312	-.18941	-.18385	-.16011	-.16314	-.15301	.36154	-6.21086
2.500	-2.192	-.16475	-.15333	-.16717	-.19110	-.18588	-.15572	-.15808	-.15302	.35541	-6.20254
2.500	-.118	-.16777	-.15771	-.17088	-.19143	-.18690	-.14828	-.15098	-.15707	.34904	-6.19758
2.500	1.945	-.16777	-.15873	-.17122	-.19009	-.18690	-.14492	-.14626	-.15876	.34479	-6.19528
2.500	4.033	-.16508	-.15804	-.17088	-.18637	-.18520	-.14355	-.14017	-.15909	.34143	-6.19057
	GRADIENT	-.00047	-.00084	-.00094	.00034	-.00018	.06212	.00278	-.00086	-.00245	.00230

RUN NO. 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.419	-.08814	-.08121	-.08676	-.09845	-.10484	-.08186	-.08273	-.08232	.32260	-6.15602
3.500	-6.350	-.08859	-.08167	-.08722	-.09935	-.10530	-.08368	-.08410	-.08323	.31222	-6.14979
3.500	-4.308	-.08948	-.08211	-.08812	-.09935	-.10530	-.08367	-.08364	-.08367	.30216	-6.14403
3.500	-2.270	-.09129	-.08392	-.08993	-.09844	-.10530	-.08186	-.08228	-.08594	.29241	-6.13766
3.500	-.180	-.09219	-.08483	-.09084	-.09800	-.10576	-.08142	-.08138	-.08640	.28485	-6.13290
3.500	1.865	-.09399	-.08664	-.09178	-.09619	-.10576	-.08051	-.08002	-.08866	.27951	-6.12967
3.500	3.889	-.09534	-.08755	-.09220	-.09302	-.10530	-.08006	-.07776	-.08957	.27359	-6.12769
	GRADIENT	-.00070	-.00066	-.00049	.00073	-.00002	.00042	.00068	-.00071	-.00341	.00198

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.522	-.05542	-.04451	-.04832	-.05481	-.06397	-.04604	-.04598	-.04604	.29949	-6.12173
4.500	-5.442	-.05541	-.04451	-.04831	-.05480	-.06397	-.04603	-.04597	-.04603	.28775	-6.11826
4.500	-3.419	-.05661	-.04451	-.04891	-.05540	-.06336	-.04663	-.04537	-.04663	.27697	-6.11438
4.500	-1.397	-.05721	-.04571	-.05012	-.05480	-.06397	-.04663	-.04597	-.04784	.26606	-6.11047
4.500	.645	-.05841	-.04691	-.05072	-.05360	-.06336	-.04603	-.04597	-.04904	.25481	-6.10686
4.500	2.685	-.05960	-.04811	-.05132	-.05300	-.06336	-.04663	-.04537	-.05025	.24646	-6.10444
4.500	4.711	-.05960	-.04871	-.05132	-.05180	-.06336	-.04603	-.04477	-.05085	.24027	-6.10142
	GRADIENT	-.00041	-.00053	-.00030	.00044	.00003	.00006	.00009	-.00053	-.00457	.00157

LARC UPWT 117/(IA94B) OTSAT130 (RJW033) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.477	-.15368	-.14389	-.15535	-.18941	-.18656	-.15402	-.15368	-.14760	.37157	-4.15205
2.500	-6.373	-.15536	-.14457	-.15772	-.18941	-.18656	-.15740	-.15638	-.14524	.36582	-4.14440
2.500	-4.292	-.15872	-.14661	-.16009	-.19144	-.18691	-.15742	-.15538	-.14762	.35872	-4.13531
2.500	-2.208	-.16038	-.14827	-.16142	-.19177	-.18689	-.15469	-.15266	-.14895	.35395	-4.13097
2.500	-.122	-.16375	-.15300	-.16650	-.19177	-.18656	-.14897	-.14795	-.15403	.34901	-4.12729
2.500	1.954	-.16411	-.15673	-.16888	-.18977	-.18624	-.14359	-.14292	-.15778	.34335	-4.12666
2.500	4.028	-.15673	-.15603	-.16785	-.18706	-.18521	-.14154	-.13985	-.15674	.33994	-4.12147
	GRADIENT	-.00037	-.00131	-.00111	.00052	.00019	.00206	.00196	-.00130	-.00232	.00154

RUN NO. 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.404	-.09040	-.08213	-.08768	-.09438	-.10530	-.08006	-.07958	-.08369	.31727	-4.10158
3.500	-6.363	-.08994	-.08212	-.08767	-.09664	-.10621	-.08142	-.08093	-.08413	.30637	-4.09747
3.500	-4.305	-.09040	-.08258	-.08813	-.09710	-.10621	-.08142	-.08093	-.08414	.29606	-4.09320
3.500	-2.248	-.09130	-.08349	-.08904	-.09755	-.10622	-.08143	-.08049	-.08505	.28805	-4.08845
3.500	-.204	-.09309	-.08574	-.09129	-.09664	-.10667	-.08005	-.07911	-.08731	.28222	-4.08504
3.500	1.853	-.09490	-.08710	-.09266	-.09438	-.10621	-.07916	-.07731	-.08958	.27696	-4.08221
3.500	3.894	-.09580	-.08830	-.09221	-.09303	-.10576	-.07825	-.07686	-.09003	.27121	-4.08068
	GRADIENT	-.00070	-.00070	-.00057	.00055	.00004	.00042	.00055	-.00080	-.00297	.00153

RUN NO. 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.515	-.05781	-.04571	-.05012	-.05180	-.06336	-.04603	-.04537	-.04784	.29510	-4.06593
4.500	-5.463	-.05722	-.04512	-.04893	-.05301	-.06397	-.04604	-.04599	-.04725	.28259	-4.06371
4.500	-3.424	-.05662	-.04572	-.04953	-.05421	-.06397	-.04544	-.04599	-.04785	.26932	-4.06133
4.500	-1.406	-.05662	-.04632	-.05013	-.05360	-.06397	-.04604	-.04598	-.04785	.25886	-4.05860
4.500	.649	-.05781	-.04751	-.05132	-.05360	-.06457	-.04603	-.04658	-.04904	.25116	-4.05622
4.500	2.676	-.05841	-.04812	-.05133	-.05300	-.06397	-.04544	-.04598	-.05026	.24422	-4.05425
4.500	4.713	-.05901	-.04813	-.05194	-.05241	-.06397	-.04544	-.04599	-.05026	.23724	-4.05255
	GRADIENT	-.00032	-.00033	-.00030	.00021	-.00000	.00003	-.00000	-.00036	-.00387	.00108

LARC UPWT 1177(IA94B) OTSAT130 (RJW034) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 65/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.468	-.14447	-.13563	-.14676	-.18596	-.17934	-.16302	-.16098	-.13764	.36659	-.00675
2.500	-6.380	-.14546	-.13764	-.15080	-.18629	-.17900	-.16267	-.16165	-.13966	.35955	-.00506
2.500	-4.290	-.14860	-.14081	-.15666	-.18568	-.17771	-.16175	-.16039	-.14282	.35214	-.00314
2.500	-2.195	-.15132	-.14287	-.15939	-.18536	-.17705	-.15841	-.15570	-.14489	.34751	.00007
2.500	-.107	-.15400	-.14557	-.16175	-.18536	-.17773	-.15401	-.14928	-.14759	.34517	-.00047
2.500	1.947	-.15501	-.14792	-.16243	-.18468	-.17875	-.14995	-.14488	-.14995	.34074	-.00039
2.500	4.032	-.15433	-.14725	-.16040	-.18401	-.17875	-.14860	-.14353	-.14894	.33544	.00047
	GRADIENT	-.00073	-.00086	-.00051	.00019	-.00018	.00167	.00214	-.00083	-.00193	.00033

RUN NO. 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.398	-.08768	-.07985	-.08404	-.09754	-.10348	-.08050	-.08001	-.08186	.31260	-.02288
3.500	-6.360	-.08814	-.08031	-.08495	-.09845	-.10393	-.08096	-.08047	-.08232	.30087	-.02253
3.500	-4.318	-.08814	-.08031	-.08540	-.09890	-.10393	-.08141	-.08047	-.08232	.29158	-.02172
3.500	-2.258	-.08993	-.08211	-.08766	-.09889	-.10484	-.07959	-.07864	-.08412	.28456	-.02136
3.500	-.195	-.09174	-.08348	-.08858	-.09845	-.10439	-.07825	-.07731	-.08550	.27948	-.02123
3.500	1.844	-.09310	-.08484	-.08904	-.09755	-.10439	-.07780	-.07641	-.08732	.27472	-.02093
3.500	3.889	-.09308	-.08527	-.08902	-.09618	-.10348	-.07687	-.07548	-.08730	.26929	-.02134
	GRADIENT	-.00064	-.00062	-.00042	.00033	.00007	.00053	.00060	-.00064	-.00265	.00006

RUN NO. 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.502	-.05362	-.04211	-.04651	-.05661	-.06276	-.04604	-.04598	-.04423	.28999	-.00157
4.500	-5.443	-.05422	-.04331	-.04712	-.05721	-.06336	-.04604	-.04598	-.04544	.27729	-.00156
4.500	-3.426	-.05542	-.04391	-.04772	-.05721	-.06276	-.04604	-.04598	-.04604	.26596	-.00102
4.500	-1.395	-.05542	-.04451	-.04892	-.05661	-.06336	-.04604	-.04538	-.04664	.25619	-.00079
4.500	.648	-.05662	-.04572	-.04952	-.05661	-.06336	-.04544	-.04538	-.04785	.24777	-.00104
4.500	2.701	-.05722	-.04632	-.05013	-.05601	-.06397	-.04544	-.04539	-.04906	.24158	-.00106
4.500	4.732	-.05901	-.04752	-.05073	-.05541	-.06336	-.04544	-.04478	-.04965	.23528	-.00094
	GRADIENT	-.00044	-.00044	-.00035	.00021	-.00009	.00009	.00012	-.00047	-.00372	-.00001

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 68/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.472	-.15200	-.14153	-.15129	-.18368	-.17943	-.15976	-.16279	-.14186	.37178	4.13368
2.500	-6.412	-.15470	-.14458	-.15469	-.18200	-.17538	-.15877	-.16180	-.14695	.36630	4.13104
2.500	-4.292	-.15640	-.14697	-.15640	-.17899	-.16455	-.15710	-.15845	-.15035	.35898	4.12688
2.500	-2.205	-.15642	-.14867	-.15777	-.17698	-.15812	-.15543	-.15576	-.15104	.35322	4.12368
2.500	-.128	-.15905	-.15266	-.16143	-.17795	-.15671	-.14997	-.14828	-.15436	.34873	4.12170
2.500	1.945	-.16511	-.15672	-.16753	-.17797	-.15776	-.14662	-.14721	-.15810	.34245	4.11950
2.500	4.018	-.16677	-.15771	-.16717	-.17728	-.15672	-.14356	-.13816	-.15910	.33890	4.11805
	GRADIENT	-.00142	-.00142	-.00151	.00012	.00077	.00173	.00270	-.00118	-.00245	-.00105

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.399	-.08995	-.08078	-.08452	-.09439	-.10394	-.07871	-.07868	-.08279	.31646	4.10230
3.500	-6.367	-.08905	-.08032	-.08406	-.09484	-.10394	-.08007	-.08048	-.08233	.30557	4.09988
3.500	-4.328	-.08905	-.08078	-.08452	-.09529	-.10349	-.08053	-.08049	-.08234	.29523	4.09677
3.500	-2.261	-.09040	-.08213	-.08587	-.09529	-.10258	-.08007	-.08003	-.08369	.28689	4.09334
3.500	-.194	-.09130	-.08349	-.08724	-.09484	-.10167	-.07962	-.07959	-.08460	.28023	4.09045
3.500	1.866	-.09309	-.08574	-.08949	-.09483	-.10121	-.07915	-.07866	-.08776	.27462	4.08901
3.500	3.894	-.09445	-.08710	-.09085	-.09348	-.09985	-.07871	-.07732	-.08913	.26929	4.08796
	GRADIENT	-.00065	-.00079	-.00079	.00020	.00042	.00022	.00037	-.00086	-.00312	-.00107

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.500	-.05542	-.04331	-.04772	-.05360	-.06457	-.04604	-.04658	-.04544	.29194	4.07445
4.500	-5.479	-.05602	-.04331	-.04772	-.05421	-.06397	-.04664	-.04719	-.04544	.28052	4.07303
4.500	-3.454	-.05602	-.04451	-.04772	-.05481	-.06397	-.04664	-.04658	-.04604	.26817	4.07086
4.500	-1.393	-.05662	-.04512	-.04892	-.05541	-.06457	-.04724	-.04719	-.04664	.25686	4.06890
4.500	.641	-.05722	-.04572	-.04953	-.05481	-.06397	-.04665	-.04659	-.04785	.24970	4.06758
4.500	2.689	-.05782	-.04693	-.05013	-.05481	-.06397	-.04604	-.04659	-.04906	.24198	4.06623
4.500	4.724	-.05841	-.04753	-.05133	-.05421	-.06397	-.04544	-.04659	-.05026	.23494	4.06514
	GRADIENT	-.00029	-.00038	-.00041	.00009	.00003	.00018	.00003	-.00053	-.00398	-.00069

LARC UPWT 1177(IA94B) OTSAT130 (RJW036) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 69/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.496	-.15604	-.14526	-.15672	-.17560	-.15537	-.15505	-.15268	-.14627	.37338	6.23014
2.500	-6.395	-.15675	-.14631	-.15776	-.17664	-.16015	-.15880	-.15947	-.14732	.36730	6.22572
2.500	-4.295	-.15978	-.14969	-.16081	-.17996	-.15813	-.15848	-.15962	-.15072	.36033	6.21983
2.500	-2.203	-.16177	-.15236	-.16113	-.17158	-.15133	-.15643	-.15643	-.15441	.35400	6.21466
2.500	-.123	-.16446	-.15541	-.16384	-.17125	-.14728	-.15307	-.14800	-.15813	.34806	6.21111
2.500	1.959	-.16614	-.15777	-.16553	-.17159	-.14695	-.15004	-.14194	-.16050	.34097	6.20883
2.500	4.027	-.16812	-.16076	-.16685	-.17156	-.14589	-.14636	-.13986	-.16350	.33751	6.20546
	GRADIENT	-.00101	-.00132	-.00079	.00033	.00139	.00141	.00262	-.00152	-.00282	-.00166

RUN NO. 74/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.407	-.08996	-.08079	-.08497	-.09213	-.09348	-.07962	-.08095	-.08279	.31924	6.17418
3.500	-6.375	-.08860	-.08033	-.08406	-.09303	-.09485	-.08098	-.08185	-.08188	.30847	6.16980
3.500	-4.319	-.08806	-.08079	-.08498	-.09349	-.09485	-.08189	-.08276	-.08235	.29827	6.16446
3.500	-2.242	-.09086	-.08305	-.08724	-.09394	-.09440	-.08053	-.08140	-.08461	.28965	6.16002
3.500	-.196	-.09220	-.08394	-.08813	-.09348	-.09393	-.08007	-.08049	-.08550	.28193	6.15621
3.500	1.854	-.09311	-.08485	-.08905	-.09304	-.09349	-.07963	-.07959	-.08687	.27641	6.15356
3.500	3.899	-.09400	-.08576	-.08950	-.09213	-.09258	-.08008	-.07687	-.08778	.27108	6.15173
	GRADIENT	-.00059	-.00067	-.00053	.00018	.00027	.00022	.00066	-.00064	-.00329	-.00156

RUN NO. 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.530	-.05602	-.04332	-.04712	-.05361	-.06155	-.04665	-.04719	-.04544	.29371	6.11239
4.500	-5.456	-.05662	-.04391	-.04832	-.05360	-.06155	-.04604	-.04658	-.04664	.28244	6.10938
4.500	-3.451	-.05781	-.04572	-.04952	-.05300	-.06095	-.04544	-.04598	-.04724	.27123	6.10576
4.500	-1.385	-.06021	-.04813	-.05194	-.05241	-.06095	-.04544	-.04539	-.04966	.25985	6.10381
4.500	-.489	-.05721	-.04572	-.04952	-.05360	-.06155	-.04664	-.04719	-.04724	.25550	6.10266
4.500	.637	-.06080	-.04872	-.05253	-.05240	-.06034	-.04483	-.04417	-.05026	.25084	6.10100
4.500	2.678	-.06081	-.04873	-.05254	-.05301	-.06035	-.04425	-.04479	-.05147	.24369	6.09906
	GRADIENT	-.00048	-.00048	-.00048	.00000	.00012	.00021	.00024	-.00066	-.00449	-.00127

LARC UPWT 1177(IA94B) OTSAT130 (RJW037) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.673	-.08798	-.08194	-.08703	-.09781	-.10691	-.08348	-.08209	-.08303	.32246	-6.17413
3.500	-6.623	-.08798	-.08193	-.08702	-.09826	-.10690	-.08393	-.08299	-.08348	.31229	-6.16822
3.500	-4.572	-.08842	-.08238	-.08937	-.09871	-.10736	-.08392	-.08298	-.08392	.30215	-6.16267
3.500	-2.521	-.09024	-.08375	-.09020	-.09827	-.10736	-.08304	-.08165	-.08576	.29271	-6.15645
3.500	-.467	-.09294	-.08601	-.09156	-.09691	-.10736	-.08123	-.07983	-.08757	.28511	-6.15147
3.500	1.591	-.09383	-.08736	-.09246	-.09464	-.10736	-.07940	-.07846	-.08937	.27981	-6.14812
3.500	3.628	-.09473	-.08827	-.09246	-.09193	-.10691	-.07940	-.07711	-.08983	.27430	-6.14626
	GRADIENT	-.00079	-.00075	-.00051	.00084	.00004	.00062	.00073	-.00075	-.00334	.00201

RUN NO. 86/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.771	-.05461	-.04546	-.04966	-.05456	-.06610	-.04758	-.04571	-.04637	.30020	-6.10490
4.500	-5.751	-.05462	-.04548	-.04857	-.05517	-.06671	-.04759	-.04633	-.04638	.28853	-6.10155
4.500	-3.700	-.05530	-.04607	-.04926	-.05576	-.06671	-.04818	-.04632	-.04697	.27779	-6.09733
4.500	-1.654	-.05581	-.04657	-.04927	-.05516	-.06610	-.04819	-.04572	-.04758	.26666	-6.09363
4.500	.386	-.05641	-.04728	-.04987	-.05516	-.06671	-.04758	-.04572	-.04819	.25576	-6.08987
4.500	2.419	-.05760	-.04787	-.05047	-.05396	-.06610	-.04758	-.04571	-.04999	.24719	-6.08717
4.500	4.454	-.05820	-.04907	-.05167	-.05275	-.06610	-.04758	-.04571	-.05059	.24131	-6.08459
	GRADIENT	-.00032	-.00058	-.00030	.00035	.00006	.00009	.00006	-.00047	-.00454	.00157

LARC UPWT 1177(IA948) OTSAT130 (RJW038) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.670	-.08798	-.09193	-.08702	-.09464	-.10736	-.08212	-.08027	-.08257	.31708	-4.10247
3.500	-6.610	-.08799	-.08194	-.08703	-.09601	-.10782	-.08258	-.08119	-.08349	.30622	-4.09845
3.500	-4.560	-.08889	-.08285	-.08794	-.09691	-.10782	-.08259	-.08074	-.08395	.29623	-4.09384
3.500	-2.516	-.08979	-.08375	-.08884	-.09736	-.10827	-.08258	-.08028	-.08530	.28810	-4.08921
3.500	-.463	-.09114	-.08511	-.09020	-.09691	-.10827	-.08168	-.07983	-.08666	.28261	-4.08568
3.500	1.588	-.09294	-.08692	-.09156	-.09601	-.10827	-.08077	-.07847	-.08893	.27720	-4.08307
3.500	3.631	-.09430	-.08783	-.09248	-.09376	-.10737	-.07988	-.07713	-.08939	.27183	-4.08181
	GRADIENT	-.00068	-.00064	-.00058	.00037	.00004	.00035	.00044	-.00071	-.00291	.00147

RUN NO. 87/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.773	-.05701	-.04867	-.04927	-.05276	-.06610	-.04758	-.04512	-.04819	.29569	-4.06710
4.500	-5.739	-.05640	-.04807	-.04926	-.05335	-.06610	-.04758	-.04571	-.04758	.28317	-4.06482
4.500	-3.714	-.05641	-.04867	-.04927	-.05336	-.06671	-.04758	-.04632	-.04758	.27026	-4.06228
4.500	-1.669	-.05701	-.04728	-.04987	-.05456	-.06731	-.04758	-.04632	-.04819	.25992	-4.05961
4.500	.382	-.05700	-.04787	-.05047	-.05396	-.06671	-.04758	-.04571	-.04878	.25225	-4.05739
4.500	2.409	-.05879	-.04907	-.05166	-.05335	-.06731	-.04757	-.04571	-.05058	.24545	-4.05520
4.500	4.441	-.05880	-.04908	-.05228	-.05216	-.06610	-.04758	-.04572	-.05120	.23840	-4.05350
	GRADIENT	-.00032	-.00062	-.00038	.00018	.00006	.00000	.00009	-.00047	-.00384	.00108

LARC UPWT 1177(IA94B) OTSAT130 (RJW039) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.671	-.0888	-.08193	-.08656	-.09690	-.10599	-.07803	-.07709	-.08347	.31133	-.00638
3.500	-6.614	-.08753	-.08148	-.08567	-.09781	-.10600	-.08031	-.07846	-.08303	.30002	-.00625
3.500	-4.568	-.08797	-.08147	-.08657	-.09871	-.10690	-.08121	-.07936	-.08302	.29076	-.00529
3.500	-2.518	-.08888	-.08284	-.08747	-.09917	-.10736	-.08076	-.07936	-.08393	.28365	-.00463
3.500	-.462	-.09113	-.08464	-.08883	-.09871	-.10736	-.07940	-.07801	-.08575	.27983	-.00452
3.500	1.106	-.09157	-.08554	-.08883	-.09826	-.10690	-.07848	-.07664	-.08664	.27594	-.00468
3.500	1.583	-.09203	-.08600	-.08929	-.09510	-.10554	-.07668	-.07484	-.08801	.27481	-.00459
3.500	3.625	-.09248	-.08600	-.08929	-.09691	-.10645	-.07804	-.07574	-.08756	.26974	-.00478
	GRADIENT	-.00060	-.00061	-.00035	.00034	.00012	.00051	.00057	-.00064	-.00248	.00005

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.771	-.05461	-.04487	-.04746	-.05396	-.06429	-.04517	-.04391	-.04638	.28891	.01643
4.500	-5.703	-.05460	-.04486	-.04745	-.05515	-.06489	-.04576	-.04450	-.04636	.27638	.01656
4.500	-3.714	-.05460	-.04486	-.04805	-.05515	-.06550	-.04576	-.04450	-.04697	.26523	.01716
4.500	-1.664	-.05520	-.04606	-.04865	-.05576	-.06610	-.04636	-.04450	-.04757	.25563	.01749
4.500	.380	-.05580	-.04665	-.04985	-.05575	-.06549	-.04636	-.04449	-.04817	.24730	.01708
4.500	2.420	-.05700	-.04726	-.05046	-.05515	-.06610	-.04636	-.04450	-.04938	.24153	.01728
4.500	4.459	-.05820	-.04848	-.05107	-.05516	-.06550	-.04698	-.04572	-.04999	.23532	.01752
	GRADIENT	-.00044	-.00041	-.00038	.00003	-.00000	-.00012	-.00012	-.00038	-.00362	.00002

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (RJW040) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 83/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.670	-.08665	-.07970	-.08252	-.09647	-.10646	-.08305	-.08166	-.08078	.31666	4.08301
3.500	-6.610	-.08755	-.08060	-.08342	-.09692	-.10509	-.08350	-.08256	-.08214	.30594	4.08087
3.500	-4.566	-.08799	-.08149	-.08477	-.09646	-.10372	-.08258	-.08210	-.08258	.29541	4.07776
3.500	-2.519	-.08979	-.08285	-.08659	-.09601	-.10191	-.08168	-.08029	-.08440	.28736	4.07454
3.500	-.462	-.09160	-.08467	-.08841	-.09511	-.10055	-.08034	-.07895	-.08622	.28069	4.07165
3.500	1.582	-.09250	-.08602	-.08931	-.09466	-.10009	-.08033	-.07804	-.08803	.27530	4.06987
3.500	3.629	-.09385	-.08738	-.09067	-.09331	-.09873	-.08034	-.07713	-.08939	.27022	4.06889
	GRADIENT	-.00070	-.00073	-.00071	.00037	.00058	.00028	.00059	-.00084	-.00305	-.00109

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.752	-.05461	-.04367	-.04686	-.05396	-.06671	-.04819	-.04632	-.04517	.29332	4.07319
4.500	-5.718	-.05461	-.04366	-.04685	-.05456	-.06671	-.04818	-.04632	-.04577	.28122	4.05263
4.500	-3.693	-.05461	-.04487	-.04746	-.05456	-.06610	-.04819	-.04632	-.04577	.26943	4.05050
4.500	-1.655	-.05580	-.04546	-.04866	-.05516	-.06610	-.04818	-.04632	-.04697	.25905	4.04848
4.500	.385	-.05640	-.04606	-.04986	-.05515	-.06610	-.04817	-.04631	-.04757	.25060	4.04672
4.500	2.422	-.05700	-.04727	-.04986	-.05516	-.06610	-.04758	-.04692	-.04938	.24319	4.04556
4.500	4.440	-.05820	-.04848	-.05107	-.05456	-.06610	-.04758	-.04632	-.04999	.23690	4.04447
	GRADIENT	-.00041	-.00044	-.00041	-.00000	.00000	.00009	-.00003	-.00053	-.00398	-.00074

LARC UPWT 1177(IA948) OTSAT130 (RJW041) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.693	-.08936	-.08197	-.08570	-.09286	-.09600	-.08034	-.07986	-.08306	.31948	6.17186
3.500	-6.615	-.08754	-.08060	-.08432	-.09375	-.09690	-.08168	-.08165	-.08214	.30862	6.16757
3.500	-4.575	-.08845	-.08106	-.08479	-.09421	-.09736	-.08260	-.08257	-.08215	.29896	6.16313
3.500	-2.531	-.08980	-.08287	-.08615	-.09421	-.09646	-.08215	-.08212	-.08396	.29018	6.15835
3.500	-.468	-.09114	-.08376	-.08749	-.09420	-.09599	-.08169	-.08120	-.08486	.28271	6.15462
3.500	1.594	-.09296	-.08559	-.08887	-.09331	-.09555	-.08125	-.07986	-.08714	.27706	6.15210
3.500	3.617	-.09285	-.08694	-.08977	-.09196	-.09373	-.08125	-.07669	-.08849	.27213	6.15018
	GRADIENT	-.00068	-.00071	-.00062	.00026	.00040	.00018	.00068	-.00077	-.00326	-.00157

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.758	-.05460	-.04365	-.04684	-.05455	-.06610	-.04877	-.04751	-.04516	.29521	6.12882
4.500	-5.719	-.05401	-.04367	-.04686	-.05456	-.06550	-.04879	-.04753	-.04517	.28354	6.12605
4.500	-3.690	-.05461	-.04427	-.04746	-.05456	-.06610	-.04879	-.04753	-.04577	.27182	6.12307
4.500	-1.659	-.05521	-.04487	-.04866	-.05456	-.06550	-.04939	-.04753	-.04638	.26107	6.12033
4.500	.383	-.05580	-.04607	-.04926	-.05456	-.06489	-.04878	-.04752	-.04758	.25196	6.11764
4.500	2.417	-.05760	-.04788	-.05047	-.05396	-.06429	-.04819	-.04753	-.04939	.24452	6.11552
4.500	4.438	-.05880	-.04907	-.05107	-.05396	-.06368	-.04818	-.04692	-.04999	.23839	6.11394
	GRADIENT	-.00053	-.00062	-.00044	.00009	.00030	.00012	.00006	-.00056	-.00410	-.00113

LARC UPWT 1177(1A94B) OTSAT130 (RJW042) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 91/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.758	-.15510	-.14868	-.15813	-.18681	-.18258	-.16694	-.16558	-.15072	.37310	-6.11294
2.500	-6.641	-.15881	-.15006	-.15883	-.18817	-.18327	-.16392	-.16560	-.15243	.36765	-6.10447
2.500	-4.560	-.16281	-.15171	-.16420	-.19254	-.18699	-.15679	-.15949	-.15104	.36233	-6.09629
2.500	-2.490	-.16446	-.15235	-.16620	-.19320	-.18731	-.15169	-.15337	-.15169	.35648	-6.08803
2.500	-.387	-.16682	-.15641	-.16925	-.19219	-.18765	-.14359	-.14561	-.15610	.34928	-6.08339
2.500	1.686	-.16682	-.15776	-.16993	-.18916	-.18630	-.14088	-.14020	-.15779	.34443	-6.07955
2.500	3.767	-.16244	-.15673	-.16822	-.18408	-.18357	-.14086	-.13680	-.15709	.34071	-6.07560
	GRADIENT	-.00008	-.00074	-.00057	.00101	.00038	.00205	.00281	-.00087	-.00265	.00239

LARC UPWT 1177(1A94B) OTSAT130 (RJW043) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 92/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.740	-.15337	-.14391	-.15403	-.18915	-.18629	-.15743	-.15810	-.14695	.36973	-4.15308
2.500	-6.650	-.15610	-.14497	-.15846	-.19018	-.18665	-.16018	-.15814	-.14463	.36560	-4.14623
2.500	-4.549	-.15838	-.14623	-.15873	-.19183	-.18695	-.15808	-.15604	-.14691	.35973	-4.13654
2.500	-2.473	-.15979	-.14800	-.16048	-.19220	-.18631	-.15375	-.15070	-.14834	.35414	-4.13315
2.500	-.380	-.16246	-.15270	-.16520	-.19152	-.18596	-.14764	-.14595	-.15339	.34891	-4.12856
2.500	1.686	-.16210	-.15537	-.16720	-.18914	-.18492	-.14153	-.14119	-.15641	.34288	-4.12570
2.500	3.766	-.15874	-.15402	-.16551	-.18610	-.18322	-.13984	-.13747	-.15472	.33929	-4.12331
	GRADIENT	-.00015	-.00110	-.00098	.00070	.00043	.00234	.00224	-.00114	-.00251	.00163

LARC UPWT 1177(1A94B) OTSAT130 (RJW044) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.754	-.14402	-.13486	-.14597	-.18681	-.18088	-.16424	-.16355	-.13686	.36627	-.00761
2.500	-6.654	-.14533	-.13786	-.15033	-.18646	-.17917	-.16320	-.16251	-.13919	.35942	-.00537
2.500	-4.552	-.14850	-.14004	-.15620	-.18586	-.17620	-.16129	-.15959	-.14171	.35373	-.00229
2.500	-2.479	-.14988	-.14177	-.15759	-.18554	-.17555	-.15761	-.15491	-.14311	.34827	-.00097
2.500	-.388	-.15159	-.14383	-.15897	-.18489	-.17626	-.15158	-.14652	-.14517	.34543	-.00161
2.500	1.700	-.15250	-.14574	-.15888	-.18382	-.17721	-.14844	-.14270	-.14743	.34055	-.00051
2.500	3.191	-.15350	-.14641	-.15888	-.18315	-.17653	-.14608	-.14202	-.14776	.33641	-.00131
	GRADIENT	-.00064	-.00085	-.00035	.00036	-.00012	.00202	.00243	-.00084	-.00215	.00013

LARC UPWT 1177(1A94B) OTSAT130 (RJW045) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 93/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.748	-.15239	-.14225	-.15135	-.18140	-.16967	-.15577	-.15711	-.14191	.37045	4.15012
2.500	-6.637	-.15475	-.14462	-.15440	-.18073	-.17069	-.15780	-.15982	-.14698	.36555	4.14651
2.500	-4.569	-.15606	-.14630	-.15571	-.17902	-.16387	-.15709	-.15877	-.14931	.35951	4.14401
2.500	-2.479	-.15540	-.14831	-.15708	-.17566	-.15472	-.15407	-.15338	-.15001	.35298	4.13988
2.500	-.394	-.15812	-.15172	-.15982	-.17703	-.15509	-.14869	-.14632	-.15342	.34832	4.13756
2.500	1.688	-.16377	-.15536	-.16449	-.17732	-.15537	-.14490	-.13915	-.15640	.34199	4.13560
2.500	3.759	-.16575	-.15702	-.16547	-.17628	-.15465	-.14249	-.13708	-.15806	.33888	4.13407
	GRADIENT	-.00133	-.00134	-.00129	.00018	.00086	.00184	.00277	-.00115	-.00251	-.00116

LARC UPWT 117/(IA94B) OTSAT130 (RJW046) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 94/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.760	-.15405	-.14426	-.15438	-.17531	-.15913	-.16218	-.16420	-.14527	.37240	6.22831
2.500	-6.638	-.15705	-.14693	-.15773	-.17800	-.16352	-.16283	-.16587	-.14727	.36722	6.22530
2.500	-4.567	-.16077	-.15033	-.16080	-.17363	-.15641	-.15880	-.16115	-.15102	.36056	6.21770
2.500	-2.498	-.16110	-.15201	-.16012	-.17092	-.15029	-.15642	-.15675	-.15372	.35423	6.21339
2.500	-.399	-.16347	-.15507	-.16217	-.17061	-.14489	-.15104	-.14563	-.15746	.34780	6.20953
2.500	1.694	-.16618	-.15847	-.16455	-.17197	-.14525	-.14464	-.13585	-.16086	.34098	6.20661
2.500	3.763	-.16815	-.16112	-.16586	-.17092	-.14248	-.14357	-.13748	-.16318	.33697	6.20409
	GRADIENT	-.00095	-.00134	-.00070	.00021	.00158	.00203	.00327	-.00151	-.00290	-.00163

LARC UPWT 117/(IA94B) OTSAT130 (RJW047) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.736	-.15630	-.14874	-.15876	-.18704	-.18091	-.16448	-.16448	-.15034	.37368	-6.13196
2.500	-6.637	-.15892	-.14969	-.15937	-.18801	-.18121	-.16308	-.16477	-.15196	.36841	-6.12375
2.500	-4.549	-.16249	-.15124	-.16398	-.18963	-.18350	-.15925	-.16162	-.15082	.36231	-6.11387
2.500	-2.467	-.16449	-.15257	-.16667	-.19131	-.18451	-.15553	-.15723	-.15148	.35641	-6.10593
2.500	-.379	-.16820	-.15664	-.17040	-.19132	-.18555	-.14443	-.14714	-.15590	.35015	-6.10036
2.500	1.698	-.16819	-.15797	-.17106	-.18997	-.18520	-.14205	-.14240	-.15757	.34501	-6.09774
2.500	3.774	-.16415	-.15728	-.16970	-.18389	-.18349	-.14168	-.13697	-.15721	.34131	-6.09465
	GRADIENT	-.00034	-.00084	-.00076	.00062	-.00003	.00234	.00308	-.00091	-.00257	.00224

LARC UPWT 1177(IA94B) OTSAT130 (RJW048) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.765	-.15411	-.14383	-.15521	-.18963	-.18621	-.15554	-.15521	-.14643	.37188	-4.15246
2.500	-6.647	-.15619	-.14492	-.15865	-.19034	-.18659	-.15865	-.15663	-.14448	.36705	-4.14620
2.500	-4.552	-.15953	-.14625	-.15999	-.19404	-.18760	-.15594	-.15392	-.14717	.36137	-4.13853
2.500	-2.479	-.16081	-.14820	-.16195	-.19401	-.18723	-.15284	-.14981	-.14811	.35510	-4.13280
2.500	-.382	-.16438	-.15346	-.16724	-.19192	-.18613	-.14391	-.14359	-.15372	.34960	-4.12785
2.500	1.688	-.16609	-.15888	-.17132	-.19092	-.18819	-.14158	-.14092	-.15916	.34324	-4.12545
2.500	3.747	-.16069	-.15480	-.16757	-.18483	-.18376	-.13917	-.13648	-.15540	.34071	-4.12343
	GRADIENT	-.00037	-.00134	-.00118	.00103	.00032	.00216	.00211	-.00133	-.00256	.00181

LARC UPWT 1177(IA94B) OTSAT130 (RJW049) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 95/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.774	-.14451	-.13484	-.14691	-.18683	-.17897	-.16382	-.16179	-.13641	.36731	-.00731
2.500	-6.621	-.14597	-.13732	-.15141	-.18655	-.17802	-.16289	-.16121	-.13890	.36086	-.00328
2.500	-4.569	-.14882	-.13933	-.15631	-.18578	-.17621	-.16105	-.15903	-.14107	.35415	-.00273
2.500	-2.472	-.15127	-.14196	-.15877	-.18583	-.17661	-.15843	-.15506	-.14355	.34919	-.00132
2.500	-.376	-.15299	-.14471	-.16016	-.18552	-.17732	-.15374	-.14868	-.14563	.34601	.00100
2.500	1.684	-.15421	-.14696	-.16069	-.18463	-.17814	-.14991	-.14453	-.14788	.34121	.00114
2.500	3.768	-.15378	-.14653	-.15926	-.18391	-.17740	-.14711	-.14307	-.14745	.33610	.00094
	GRADIENT	-.00062	-.00088	-.00038	.00024	-.00019	.00175	.00204	-.00082	-.00212	.00047

LARC UPWT 1177(IA94B) OTSAT130 (RJW050) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.752	-.15308	-.14183	-.15215	-.18442	-.17930	-.16055	-.16391	-.14139	.37211	4.13434
2.500	-6.662	-.15534	-.14442	-.15543	-.18303	-.17688	-.15980	-.16284	-.14601	.36806	4.13277
2.500	-4.558	-.15657	-.14632	-.15633	-.18061	-.16868	-.15768	-.15937	-.14858	.36100	4.12841
2.500	-2.491	-.15651	-.14793	-.15829	-.17788	-.16152	-.15559	-.15560	-.14986	.35513	4.12483
2.500	-.391	-.15879	-.15156	-.16161	-.17817	-.15808	-.14878	-.14677	-.15283	.35049	4.12305
2.500	1.695	-.16582	-.15626	-.16767	-.17816	-.15772	-.14404	-.13696	-.15687	.34373	4.12089
2.500	3.758	-.16683	-.15694	-.16733	-.17783	-.15637	-.14269	-.13663	-.15788	.34067	4.11979
	GRADIENT	-.00143	-.00142	-.00151	.00025	.00137	.00200	.00308	-.00123	-.00250	-.00102

LARC UPWT 1177(IA94B) OTSAT130 (RJW051) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.765	-.15678	-.14583	-.15756	-.18187	-.16485	-.16397	-.16532	-.14641	.37376	6.23175
2.500	-6.677	-.15715	-.14621	-.15860	-.17887	-.16319	-.16197	-.16434	-.14679	.36926	6.22799
2.500	-4.552	-.16049	-.14956	-.16162	-.17515	-.15809	-.15893	-.16096	-.15015	.36318	6.22253
2.500	-2.492	-.16381	-.15357	-.16295	-.17446	-.15433	-.15822	-.15857	-.15518	.35498	6.21754
2.500	-.393	-.16483	-.15594	-.16431	-.17312	-.14587	-.14473	-.13428	-.15823	.34948	6.21128
2.500	1.682	-.16653	-.15832	-.16568	-.17280	-.14590	-.14409	-.13364	-.16062	.34248	6.20879
2.500	3.752	-.16820	-.16068	-.16703	-.17213	-.14523	-.14342	-.13601	-.16265	.33920	6.20785
	GRADIENT	-.00087	-.00130	-.00065	.00037	.00164	.00217	.00361	-.00146	-.00291	-.00183

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LARC UPWT 1177(IA94B) OTSAT130 (RJW052) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 101/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.735	-.15941	-.15324	-.16297	-.19198	-.18728	-.15555	-.15488	-.15555	.37936	-6.22880
2.500	-6.642	-.16274	-.15625	-.16598	-.19331	-.18862	-.15418	-.15621	-.15755	.37365	-6.22038
2.500	-4.541	-.16709	-.15927	-.17003	-.19533	-.19167	-.14877	-.15215	-.15957	.36745	-6.21272
2.500	-2.465	-.16977	-.16129	-.17137	-.19600	-.19336	-.14471	-.14708	-.16193	.36101	-6.20491
2.500	-.381	-.17346	-.16499	-.17373	-.19533	-.19438	-.13627	-.13830	-.16565	.35430	-6.19909
2.500	1.690	-.17413	-.16633	-.17474	-.19263	-.19472	-.13018	-.12817	-.16632	.34934	-6.19613
2.500	3.767	-.17342	-.16663	-.17606	-.18856	-.19334	-.12775	-.12169	-.16628	.34556	-6.19199
	GRADIENT	-.00082	-.00095	-.00074	.00081	-.00023	.00272	.00384	-.00086	-.00267	.00242

LARC UPWT 1177(IA94B) OTSAT130 (RJW053) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 102/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.729	-.15835	-.15049	-.16089	-.19262	-.19166	-.15280	-.15381	-.15246	.37668	-4.15155
2.500	-6.639	-.16133	-.15280	-.16254	-.19328	-.19130	-.15207	-.15208	-.15444	.37185	-4.14533
2.500	-4.552	-.16537	-.15535	-.16526	-.19767	-.19470	-.14567	-.14332	-.15716	.36534	-4.13745
2.500	-2.463	-.16705	-.15798	-.16627	-.19699	-.19470	-.14162	-.13926	-.15851	.35914	-4.13196
2.500	-.382	-.17040	-.16192	-.16965	-.19531	-.19470	-.13316	-.13250	-.16290	.35435	-4.12617
2.500	1.694	-.17142	-.16361	-.17168	-.19329	-.19436	-.12844	-.12677	-.16460	.34762	-4.12480
2.500	3.756	-.17139	-.16391	-.17300	-.19023	-.19265	-.12704	-.12266	-.16423	.34485	-4.12298
	GRADIENT	-.00079	-.00105	-.00101	.00089	.00021	.00243	.00259	-.00097	-.00253	.00174

LARC UPWT 1177(IA94B) OTSAT130 (RJW054) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 100/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.738	-.14974	-.14185	-.15222	-.19267	-.18494	-.15087	-.14852	-.14413	.37311	-.00733
2.500	-6.642	-.14973	-.14385	-.15558	-.19233	-.18459	-.14985	-.14716	-.14614	.36585	-.00475
2.500	-4.540	-.15275	-.14789	-.16199	-.19166	-.18357	-.14749	-.14514	-.14952	.35838	-.00278
2.500	-2.457	-.15671	-.15086	-.16565	-.19096	-.18252	-.14338	-.13934	-.15216	.35259	-.00121
2.500	-.386	-.15939	-.15389	-.16632	-.19028	-.18218	-.13865	-.13359	-.15485	.34990	-.00062
2.500	1.691	-.16268	-.15786	-.16795	-.18889	-.18214	-.13281	-.12742	-.15918	.34512	.00122
2.500	3.764	-.16265	-.15649	-.16793	-.18685	-.18076	-.13075	-.12569	-.15746	.34025	.00019
	GRADIENT	-.00124	-.00117	-.00068	.00056	.00029	.00212	.00245	-.00110	-.00211	.00040

LARC UPWT 1177(IA94B) OTSAT130 (RJW055) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 103/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.741	-.15790	-.14867	-.15638	-.18817	-.17937	-.15030	-.15605	-.14996	.37676	4.13315
2.500	-6.650	-.15789	-.15035	-.15807	-.18750	-.17732	-.14860	-.15301	-.15232	.37128	4.12935
2.500	-4.557	-.15897	-.15245	-.16118	-.18281	-.16481	-.14496	-.14429	-.15409	.36386	4.12699
2.500	-2.471	-.16160	-.15441	-.16451	-.18143	-.16103	-.14185	-.14017	-.15572	.35821	4.12337
2.500	-.390	-.16631	-.15813	-.16992	-.18143	-.15967	-.13576	-.13070	-.15945	.35329	4.11966
2.500	1.683	-.16931	-.16047	-.17227	-.18175	-.15931	-.13032	-.12222	-.16179	.34615	4.11826
2.500	3.760	-.17139	-.16290	-.17300	-.18011	-.15904	-.12974	-.12435	-.16389	.34293	4.11752
	GRADIENT	-.00157	-.00130	-.00151	.00024	.00064	.00202	.00278	-.00123	-.00259	-.00116

LARC UPWT 1177(IA94B) OTSAT130 (RJW056) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 104/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.743	-.15857	-.15035	-.15774	-.18176	-.16442	-.15233	-.15301	-.15131	.37904	6.22859
2.500	-6.651	-.16026	-.15239	-.16045	-.18210	-.16510	-.15267	-.15370	-.15369	.37287	6.22436
2.500	-4.570	-.16161	-.15510	-.16418	-.17840	-.15832	-.14728	-.14627	-.15675	.36578	6.21880
2.500	-2.479	-.16295	-.15611	-.16654	-.17704	-.15492	-.14490	-.14288	-.15775	.35[illegible]8	6.21376
2.500	-.398	-.16663	-.15812	-.16856	-.17568	-.15117	-.13947	-.13272	-.16011	.35[illegible]6	6.20873
2.500	1.679	-.16965	-.16149	-.17092	-.17534	-.14980	-.13270	-.12324	-.16383	.34471	6.20633
2.500	3.761	-.17134	-.16352	-.17160	-.17365	-.14709	-.12999	-.12561	-.16519	.34099	6.20416
	GRADIENT	-.00126	-.00107	-.00092	.00054	.00132	.00225	.00293	-.00110	-.00308	-.00176

LARC UPWT 1177(IA94B) OTSAT130 (RJW057) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 106/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.731	-.15986	-.15474	-.16451	-.19255	-.18724	-.15709	-.15574	-.15709	.37757	-6.22954
2.500	-6.640	-.16221	-.15710	-.16688	-.19356	-.18825	-.15675	-.15709	-.15844	.37199	-6.22053
2.500	-4.535	-.16721	-.16[illegible]3	-.17124	-.19557	-.19129	-.15095	-.15332	-.16077	.36483	-6.21167
2.500	-2.460	-.17057	-.16347	-.17293	-.19658	-.19367	-.14554	-.14791	-.16381	.35908	-6.20303
2.500	-.388	-.17324	-.16615	-.17493	-.19623	-.19467	-.13941	-.14077	-.16650	.35262	-6.19839
2.500	1.694	-.17458	-.16784	-.17629	-.19420	-.19501	-.13264	-.13129	-.16785	.34764	-6.19559
2.500	3.758	-.17359	-.16785	-.17765	-.18982	-.19400	-.12927	-.12286	-.16753	.34457	-6.19089
	GRADIENT	-.00081	-.00093	-.00078	.00067	-.00033	.00271	.00374	-.00085	-.00251	.00236

LARC UPWT 1177(1A94B) OTSAT130 (RJW057) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.679	-.09162	-.08553	-.09059	-.09957	-.10675	-.08251	-.08112	-.08613	.32441	-6.17447
3.500	-6.622	-.09207	-.08597	-.09058	-.10002	-.10629	-.08341	-.08247	-.08658	.31401	-6.16846
3.500	-4.559	-.09297	-.08688	-.09149	-.09957	-.10674	-.08341	-.08248	-.08749	.30347	-6.16242
3.500	-2.517	-.09432	-.08869	-.09285	-.09957	-.10720	-.08251	-.08203	-.08930	.29423	-6.15641
3.500	-.458	-.09567	-.08960	-.09421	-.09912	-.10675	-.08116	-.08068	-.09021	.28630	-6.15107
3.500	1.588	-.09747	-.09139	-.09556	-.09686	-.10674	-.07978	-.07795	-.09247	.28080	-6.14833
3.500	3.637	-.09837	-.09185	-.09602	-.09370	-.10675	-.07934	-.07570	-.09293	.27550	-6.14642
	GRADIENT	-.00068	-.00062	-.00057	.00070	.00002	.00053	.00086	-.00069	-.00338	.00196

RUN NO. 116/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.766	-.05942	-.04900	-.05276	-.05808	-.06527	-.04926	-.04680	-.04986	.30069	-6.10382
4.500	-5.737	-.05882	-.04900	-.05276	-.05748	-.06588	-.04926	-.04680	-.05046	.28847	-6.10051
4.500	-3.688	-.05942	-.05020	-.05276	-.05748	-.06648	-.04926	-.04740	-.05046	.27684	-6.09662
4.500	-1.648	-.06002	-.05021	-.05337	-.05749	-.06588	-.04986	-.04681	-.05107	.26574	-6.09277
4.500	.385	-.06002	-.05141	-.05397	-.05749	-.06648	-.04926	-.04681	-.05167	.25491	-6.08931
4.500	2.416	-.06122	-.05201	-.05457	-.05628	-.06588	-.04926	-.04741	-.05288	.24665	-6.08647
4.500	4.444	-.06182	-.05261	-.05517	-.05508	-.06588	-.04926	-.04620	-.05408	.24054	-6.08395
	GRADIENT	-.00030	-.00033	-.00030	.00030	.00006	.00003	.00009	-.00045	-.00451	.00156

LARC UPWT 117/(IA948) OTSAT130 (RJW058) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 107/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.724	-.15876	-.15296	-.16274	-.19250	-.19330	-.14819	-.14854	-.15395	.37504	-4.15108
2.500	-6.636	-.16218	-.15471	-.16448	-.19389	-.19231	-.15063	-.14894	-.15638	.36978	-4.14434
2.500	-4.543	-.16524	-.15744	-.16654	-.19559	-.19335	-.14830	-.14627	-.15878	.36257	-4.13652
2.500	-2.461	-.16692	-.15947	-.16790	-.19627	-.19369	-.14493	-.14223	-.16014	.35706	-4.13103
2.500	-.383	-.17062	-.16319	-.17061	-.19560	-.19404	-.13648	-.13514	-.16421	.35170	-4.12876
2.500	1.695	-.17195	-.16520	-.17296	-.19390	-.19437	-.13104	-.12936	-.16622	.34603	-4.12608
2.500	3.764	-.17194	-.16553	-.17431	-.19086	-.19300	-.12866	-.12428	-.16588	.34328	-4.12245
	GRADIENT	-.00089	-.00106	-.00099	.00057	.00000	.00256	.00274	-.00098	-.00239	.00159

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.667	-.09341	-.08687	-.09103	-.09550	-.10674	-.08113	-.07929	-.08747	.31887	-4.10234
3.500	-6.616	-.09250	-.08840	-.09101	-.09729	-.10719	-.08202	-.08064	-.08701	.30779	-4.09861
3.500	-4.565	-.09341	-.09686	-.09193	-.09866	-.10765	-.08248	-.08064	-.08747	.29777	-4.09421
3.500	-2.518	-.09385	-.08821	-.09283	-.09866	-.10765	-.08158	-.08019	-.08883	.28960	-4.08952
3.500	-.464	-.09566	-.08958	-.09419	-.09821	-.10765	-.08113	-.07884	-.09019	.28352	-4.08596
3.500	1.584	-.09745	-.09138	-.09600	-.09639	-.10719	-.07886	-.07657	-.09245	.27822	-4.08350
3.500	3.627	-.09836	-.09183	-.09645	-.09504	-.10674	-.07750	-.07476	-.09291	.27294	-4.08203
	GRADIENT	-.00066	-.00064	-.00060	.00046	.00011	.00062	.00075	-.00071	-.00298	.00148

RUN NO. 117/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.760	-.06002	-.05020	-.05336	-.05508	-.06588	-.04926	-.04680	-.05106	.29626	-4.06710
4.500	-5.718	-.05942	-.04960	-.05276	-.05568	-.06588	-.04926	-.0466[illegible]	-.05106	.28364	-4.06482
4.500	-3.696	-.05942	-.05020	-.05276	-.05568	-.06648	-.04926	-.04740	-.05106	.27009	-4.06228
4.500	-1.656	-.06002	-.05081	-.05337	-.05628	-.06648	-.04926	-.04681	-.05167	.25901	-4.05949
4.500	.383	-.06062	-.05141	-.05457	-.05628	-.06648	-.04926	-.04680	-.05227	.25174	-4.05724
4.500	2.416	-.06122	-.05201	-.05517	-.05568	-.06648	-.04865	-.04680	-.05347	.24484	-4.05521
4.500	4.444	-.06182	-.05261	-.05577	-.05508	-.06588	-.04926	-.04620	-.05408	.23800	-4.05336
	GRADIENT	-.00029	-.00030	-.00038	.00009	.00006	.00003	.00012	-.00039	-.00385	.00109

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OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (RJW059) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 105/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.727	-.14989	-.14304	-.15312	-.19260	-.18525	-.15178	-.14941	-.14569	.37129	-.02300
2.500	-6.637	-.14968	-.14554	-.15628	-.19266	-.18465	-.15056	-.14786	-.14752	.36436	-.02140
2.500	-4.546	-.15336	-.14957	-.16268	-.19232	-.18363	-.14853	-.14584	-.15089	.35640	-.01999
2.500	-2.456	-.15599	-.15187	-.16600	-.19162	-.18292	-.14611	-.14240	-.15319	.35150	-.01687
2.500	-.381	-.16000	-.15590	-.16802	-.19094	-.18258	-.13969	-.13463	-.15690	.34858	-.01717
2.500	1.689	-.16332	-.15923	-.16900	-.18991	-.18255	-.13457	-.12918	-.16058	.34433	-.01682
2.500	3.761	-.16296	-.15853	-.16897	-.18821	-.18152	-.13217	-.12711	-.15920	.33941	-.01691
	GRADIENT	-.00128	-.00122	-.00075	.00048	.00022	.00213	.00244	-.00116	-.00198	.00030

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.674	-.09071	-.08416	-.08831	-.09956	-.10356	-.08340	-.08156	-.08566	.31351	-.02340
3.500	-6.620	-.09116	-.08505	-.08921	-.10001	-.10446	-.08384	-.08200	-.08611	.30137	-.02299
3.500	-4.568	-.09161	-.08551	-.08967	-.10047	-.10447	-.08340	-.08156	-.08657	.29168	-.02248
3.500	-2.511	-.09297	-.08642	-.09103	-.10047	-.10492	-.08295	-.08066	-.08748	.28481	-.02210
3.500	-.466	-.09477	-.08868	-.09284	-.09957	-.10538	-.07978	-.07749	-.08975	.27998	-.02184
3.500	1.583	-.09612	-.08959	-.09330	-.09957	-.10493	-.07737	-.07614	-.09111	.27522	-.02191
3.500	3.630	-.09611	-.09003	-.09329	-.09821	-.10492	-.07615	-.07387	-.09110	.26965	-.02217
	GRADIENT	-.00059	-.00060	-.00046	.00026	-.00004	.00095	.00097	-.00062	-.00262	.00004

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.759	-.05644	-.04721	-.05037	-.05869	-.06528	-.04927	-.04742	-.04806	.28926	-.02062
4.500	-5.723	-.05703	-.04781	-.05096	-.05929	-.06527	-.04986	-.04741	-.04926	.27648	-.02056
4.500	-3.685	-.05763	-.04901	-.05217	-.05929	-.06588	-.04986	-.04741	-.04986	.26470	-.01989
4.500	-1.652	-.05883	-.04962	-.05337	-.05929	-.06588	-.04927	-.04742	-.05108	.25482	-.01957
4.500	.384	-.05943	-.05081	-.05397	-.05869	-.06588	-.04926	-.04681	-.05167	.24690	-.02004
4.500	2.417	-.06062	-.05141	-.05457	-.05869	-.06588	-.04926	-.04681	-.05288	.24090	-.01993
4.500	4.442	-.06122	-.05261	-.05578	-.05809	-.06527	-.04866	-.04621	-.05348	.23460	-.01975
	GRADIENT	-.00044	-.00044	-.00041	.00015	.00006	.00012	.00015	-.00044	-.00365	-.00000

LARC UPWT 1177(1A94B) OTSAT130 (RJW060) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.737	-.15820	-.15071	-.15810	-.18851	-.17876	-.14628	-.14798	-.15169	.37553	4.13312
2.500	-6.643	-.15861	-.15248	-.15987	-.18754	-.17678	-.14773	-.15009	-.15414	.36948	4.13011
2.500	-4.546	-.15968	-.15423	-.16229	-.18253	-.16259	-.14510	-.14409	-.15624	.36206	4.12600
2.500	-2.471	-.16171	-.15560	-.16501	-.18153	-.16058	-.14378	-.14176	-.15727	.35641	4.12361
2.500	-.393	-.16603	-.15994	-.17071	-.18184	-.15987	-.13867	-.13395	-.16095	.35174	4.12083
2.500	1.689	-.16938	-.16229	-.17374	-.18218	-.15986	-.13359	-.12584	-.16330	.34495	4.11909
2.500	3.755	-.17108	-.16366	-.17444	-.18152	-.15989	-.13093	-.12454	-.16502	.34179	4.11755
	GRADIENT	-.00147	-.00123	-.00159	.00007	.00029	.00186	.00265	-.00114	-.00250	-.00103

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.677	-.09161	-.08460	-.08695	-.09820	-.10674	-.08248	-.08155	-.08520	.31903	4.08342
3.500	-6.614	-.09206	-.08506	-.08740	-.09821	-.10674	-.08294	-.08201	-.08566	.30746	4.08118
3.500	-4.564	-.09251	-.08551	-.08831	-.09866	-.10628	-.08249	-.08155	-.08656	.29714	4.07810
3.500	-2.518	-.09386	-.08686	-.09012	-.09866	-.10538	-.08158	-.08065	-.08792	.28886	4.07476
3.500	-.462	-.09521	-.08822	-.09193	-.09821	-.10492	-.08022	-.07929	-.08928	.28201	4.07181
3.500	1.585	-.09565	-.08957	-.09283	-.09775	-.10446	-.07931	-.07747	-.09109	.27615	4.07022
3.500	3.628	-.09656	-.09093	-.09420	-.09640	-.10356	-.07842	-.07477	-.09201	.27126	4.06917
	GRADIENT	-.00048	-.00066	-.00071	.00026	.00031	.00051	.00082	-.00069	-.00315	-.00109

RUN NO. 118/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.754	-.05882	-.04939	-.05155	-.05688	-.06648	-.04985	-.04800	-.04985	.29368	4.05606
4.500	-5.723	-.05823	-.04841	-.05156	-.05749	-.06648	-.04986	-.04801	-.04926	.28133	4.05414
4.500	-3.687	-.05883	-.04841	-.05217	-.05749	-.06648	-.04986	-.04741	-.04986	.26959	4.05170
4.500	-1.661	-.05883	-.04901	-.05277	-.05809	-.06648	-.04986	-.04801	-.05047	.25850	4.04990
4.500	.385	-.05942	-.05020	-.05336	-.05808	-.06648	-.04986	-.04740	-.05106	.25036	4.04802
4.500	2.408	-.06062	-.05141	-.05457	-.05808	-.06648	-.04865	-.04801	-.05287	.24313	4.04670
4.500	4.441	-.06182	-.05201	-.05517	-.05808	-.06648	-.04865	-.04740	-.05347	.23650	4.04604
	GRADIENT	-.00038	-.00047	-.00038	-.00006	.00000	.00018	.00000	-.00047	-.00401	-.00071

LARC UPWT 1177(1A94B) OTSAT130 (RJW061) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-9.739	-.15869	-.15190	-.15962	-.18288	-.16532	-.15356	-.15423	-.15288	.37697	6.22779
2.500	-6.661	-.16070	-.15392	-.16231	-.18288	-.16532	-.15322	-.15457	-.15524	.37071	6.22494
2.500	-4.556	-.16237	-.15660	-.16534	-.18085	-.16159	-.15017	-.15018	-.15794	.36333	6.21827
2.500	-2.475	-.16404	-.15862	-.16837	-.17748	-.15278	-.14410	-.14107	-.15962	.35690	6.21347
2.500	-.392	-.16674	-.16032	-.17008	-.17615	-.15111	-.14041	-.13368	-.16200	.35033	6.20891
2.500	1.687	-.17042	-.16368	-.17310	-.17648	.15042	-.13399	-.12456	-.16571	.34372	6.20596
2.500	3.754	-.17139	-.16498	-.17307	-.17510	-.14800	-.13123	-.12652	-.16668	.33972	6.20357
	GRADIENT	-.00118	-.00105	-.00097	.00060	.00142	.00231	.00307	-.00113	-.00291	-.00178

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.673	-.09206	-.08460	-.08831	-.09730	-.10219	-.08067	-.07929	-.08521	.32231	6.17436
3.500	-6.626	-.09161	-.08460	-.08876	-.09730	-.10264	-.08203	-.08110	-.08520	.31095	6.16971
3.500	-4.567	-.09251	-.08460	-.08921	-.09775	-.10265	-.08249	-.08156	-.08566	.30079	6.16467
3.500	-2.522	-.09341	-.08687	-.09012	-.09821	-.10174	-.08204	-.08201	-.08747	.29175	6.16030
3.500	-.464	-.09432	-.08823	-.09194	-.09731	-.10083	-.08024	-.08021	-.08884	.28354	6.15654
3.500	1.584	-.09611	-.08958	-.09284	-.09640	-.10037	-.07932	-.07794	-.09065	.27791	6.15390
3.500	3.631	-.09656	-.09003	-.09374	-.09549	-.09901	-.07932	-.07476	-.09155	.27318	6.15191
	GRADIENT	-.00053	-.00086	-.00057	.00031	.00042	.00044	.00086	-.00073	-.00337	-.00156

RUN NO. 119/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.762	-.06002	-.04931	-.05277	-.05809	-.06709	-.04926	-.04741	-.05047	.29665	6.11178
4.500	-5.735	-.06002	-.04901	-.05217	-.05809	-.06648	-.04926	-.04801	-.04986	.28381	6.10836
4.500	-3.693	-.05943	-.04901	-.05217	-.05809	-.06709	-.04927	-.04802	-.04987	.27226	6.10574
4.500	-1.658	-.05943	-.04962	-.05277	-.05809	-.06649	-.04987	-.04802	-.05047	.26120	6.10307
4.500	.384	-.06062	-.05022	-.05337	-.05809	-.06709	-.04927	-.04802	-.05108	.25166	6.10016
4.500	2.416	-.06123	-.05142	-.05458	-.05810	-.06649	-.04927	-.04803	-.05289	.24424	6.09810
4.500	4.441	-.06182	-.05262	-.05518	-.05749	-.06588	-.04927	-.04742	-.05349	.23805	6.09625
	GRADIENT	-.00032	-.00044	-.00038	.00006	.00012	.00003	.00006	-.00047	-.00420	-.00118

LARC UPWT 1177(IA948) OTSAT130 (RJW062) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 121/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.672	-.09008	-.08561	-.09078	-.09923	-.10859	-.08365	-.08224	-.08773	.32475	-6.15565
3.500	-6.619	-.09054	-.08652	-.09169	-.09968	-.10905	-.08457	-.08361	-.08819	.31444	-6.14998
3.500	-4.582	-.09234	-.08787	-.09305	-.10014	-.10996	-.08457	-.08316	-.08955	.30430	-6.14400
3.500	-2.532	-.09324	-.08879	-.09441	-.09879	-.10950	-.08232	-.08181	-.09091	.29525	-6.13784
3.500	-.458	-.09503	-.09058	-.09621	-.09788	-.10950	-.08049	-.07954	-.09272	.28771	-6.13253
3.500	1.605	-.09639	-.09194	-.09712	-.09653	-.10950	-.08005	-.07864	-.09453	.28170	-6.12865
3.500	3.640	-.09682	-.09237	-.09665	-.09289	-.10859	-.07910	-.07588	-.09405	.27657	-6.12677
	GRADIENT	-.00059	-.00059	-.00048	.00081	.00013	.00064	.00086	-.00061	-.00335	.00212

RUN NO. 126/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.775	-.05796	-.04909	-.05361	-.05701	-.06773	-.04956	-.04706	-.05137	.30348	-6.10422
4.500	-5.748	-.05736	-.04970	-.05361	-.05702	-.06773	-.04956	-.04767	-.05197	.29083	-6.09998
4.500	-3.695	-.05796	-.04969	-.05421	-.05701	-.06773	-.04956	-.04827	-.05137	.28027	-6.09664
4.500	-1.657	-.05856	-.05030	-.05421	-.05702	-.06773	-.05017	-.04767	-.05258	.26883	-6.09259
4.500	.381	-.05976	-.05150	-.05542	-.05581	-.06773	-.05017	-.04707	-.05378	.25831	-6.08925
4.500	2.422	-.06095	-.05210	-.05662	-.05460	-.06712	-.04895	-.04706	-.05559	.24972	-6.08543
4.500	4.448	-.06156	-.05331	-.05723	-.05281	-.06773	-.04957	-.04708	-.05560	.24341	-6.08392
	GRADIENT	-.00047	-.00044	-.00041	.00053	.00003	.00006	.00015	-.00056	-.00456	.00155

LARC UPWT 1177(1A94B) OTSAT130 (RJW063) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 122/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.699	-.09367	-.08830	-.09393	-.09470	-.10859	-.08001	-.07815	-.09043	.32014	-4.10096
3.500	-6.624	-.09232	-.08740	-.09303	-.09651	-.10904	-.08183	-.08042	-.08907	.30876	-4.09735
3.500	-4.591	-.09232	-.08739	-.09303	-.09741	-.10995	-.08227	-.08086	-.08907	.29873	-4.09283
3.500	-2.532	-.09276	-.08830	-.09393	-.09786	-.10995	-.08182	-.08041	-.09088	.29106	-4.08808
3.500	-.459	-.09547	-.09011	-.09575	-.09741	-.10950	-.08138	-.07906	-.09225	.28487	-4.08430
3.500	1.587	-.09637	-.09147	-.09620	-.09515	-.10904	-.07911	-.07679	-.09360	.27982	-4.08169
3.500	3.637	-.09682	-.09192	-.09665	-.09380	-.10813	-.07775	-.07498	-.09406	.27423	-4.07994
	GRADIENT	-.00061	-.00059	-.00046	.00048	.00022	.00057	.00075	-.00062	-.00293	.00156

RUN NO. 127/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.787	-.05916	-.05031	-.05482	-.05221	-.06652	-.04897	-.04708	-.05258	.29931	-4.06587
4.500	-5.723	-.05857	-.05031	-.05422	-.05342	-.06712	-.04957	-.04709	-.05259	.28578	-4.06322
4.500	-3.700	-.05917	-.04971	-.05422	-.05402	-.06773	-.04957	-.04769	-.05259	.27222	-4.06075
4.500	-1.658	-.05916	-.05031	-.05482	-.05461	-.06773	-.04957	-.04708	-.05258	.26196	-4.05795
4.500	.391	-.05916	-.05091	-.05602	-.05401	-.06773	-.04957	-.04708	-.05379	.25426	-4.05586
4.500	2.417	-.06036	-.05151	-.05602	-.05461	-.06833	-.04957	-.04768	-.05499	.24771	-4.05382
4.500	4.440	-.06036	-.05272	-.05663	-.05342	-.06773	-.04957	-.04709	-.05560	.24085	-4.05228
	GRADIENT	-.00018	-.00035	-.00030	.00006	-.00003	-.00000	.00003	-.00041	-.00378	.00104

LARC UPWT 1177(IA94B) OTSAT130 (RJW064) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 120/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPBI	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.670	-.08873	-.08470	-.08896	-.10148	-.10859	-.08636	-.08450	-.08682	.31402	-.00635
3.500	-6.628	-.08963	-.08515	-.08987	-.10148	-.10859	-.08591	-.08405	-.08727	.30208	-.00546
3.500	-4.574	-.08963	-.08515	-.09077	-.10148	-.10859	-.08500	-.08314	-.08727	.29251	-.00443
3.500	-2.528	-.09143	-.08697	-.09214	-.10149	-.10905	-.08320	-.08089	-.08909	.28564	-.00386
3.500	-.454	-.09368	-.08922	-.09440	-.10013	-.10905	-.07958	-.07772	-.09181	.28071	-.00339
3.500	1.604	-.09503	-.09057	-.09440	-.09878	-.10859	-.07731	-.07500	-.09316	.27600	-.00309
3.500	3.631	-.09503	-.09057	-.09439	-.09742	-.10814	-.07550	-.07318	-.09271	.27050	-.00322
	GRADIENT	-.00070	-.00070	-.00046	.00053	.00007	.00121	.00126	-.00073	-.00261	.00016

RUN NO. 125/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPBI	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.759	-.05497	-.04670	-.05121	-.05822	-.06591	-.04897	-.04768	-.04957	.29204	-.01955
4.500	-5.736	-.05496	-.04728	-.05119	-.05821	-.06651	-.04955	-.04766	-.05015	.27950	-.01963
4.500	-3.707	-.05616	-.04789	-.05180	-.05822	-.06652	-.04895	-.04767	-.05076	.26764	-.01903
4.500	-1.669	-.05676	-.04850	-.05301	-.05822	-.06712	-.04956	-.04757	-.05137	.25806	-.01864
4.500	.385	-.05796	-.05030	-.05421	-.05822	-.06712	-.04896	-.04707	-.05258	.25030	-.01884
4.500	2.422	-.05916	-.05090	-.05482	-.05762	-.06712	-.04896	-.04707	-.05378	.24358	-.01851
4.500	4.444	-.05975	-.05150	-.05602	-.05701	-.06712	-.04835	-.04646	-.05438	.23769	-.01840
	GRADIENT	-.00047	-.00047	-.00050	.00015	-.00006	.00009	.00015	-.00047	-.00365	.00007

ORIGINAL PAGE IS
OF POOR QUALITY

LARC UPWT 117/(IA94B) OTSAT130 (RJW065) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 123/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.692	-.09008	-.08470	-.08716	-.09923	-.10814	-.08456	-.08405	-.08637	.32004	4.12167
3.500	-6.629	-.09009	-.08516	-.08807	-.09923	-.10768	-.08411	-.08451	-.08683	.30898	4.11950
3.500	-4.578	-.09098	-.08606	-.08942	-.09923	-.10723	-.08365	-.08360	-.08773	.29823	4.11666
3.500	-2.520	-.09233	-.08741	-.09123	-.09877	-.10632	-.08183	-.08133	-.08953	.28993	4.11316
3.500	-.467	-.09322	-.08831	-.09213	-.09832	-.10541	-.08047	-.07997	-.09044	.28287	4.11021
3.500	1.590	-.09411	-.08965	-.09348	-.09786	-.10495	-.08001	-.07859	-.09224	.27781	4.10862
3.500	3.631	-.09502	-.09102	-.09484	-.09696	-.10495	-.07956	-.07634	-.09315	.27268	4.10785
	GRADIENT	-.00048	-.00059	-.00064	.00027	.00029	.00049	.00084	-.00066	-.00308	-.00108

RUN NO. 128/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.762	-.05737	-.04792	-.05182	-.05703	-.06894	-.05018	-.04890	-.05018	.29635	4.05742
4.500	-5.719	-.05737	-.04791	-.05242	-.05763	-.06833	-.05018	-.04949	-.05078	.28421	4.05500
4.500	-3.688	-.05737	-.04851	-.05302	-.05823	-.06894	-.05078	-.04829	-.05078	.27249	4.05299
4.500	-1.674	-.05857	-.04972	-.05363	-.05823	-.06894	-.05018	-.04830	-.05259	.26174	4.05110
4.500	.377	-.05917	-.05032	-.05483	-.05823	-.06894	-.04958	-.04890	-.05259	.25316	4.04937
4.500	2.418	-.06037	-.05152	-.05603	-.05823	-.06834	-.04958	-.04830	-.05500	.24510	4.04827
4.500	4.453	-.06096	-.05272	-.05663	-.05823	-.06894	-.04957	-.04829	-.05500	.23888	4.04717
	GRADIENT	-.00044	-.00060	-.00047	-.00000	.00003	.00015	.00000	-.00053	-.00412	-.00071

LARC UPWT 117/(IA94B) OTSAT130 (RJW066) (02 JUL 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	6.000	ELV-LI =	12.000
ELV-LO =	.000	ELV-RI =	12.000
ELV-RO =	.000		

RUN NO. 124/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.673	-.09054	-.08426	-.08898	-.09698	-.10450	-.08185	-.08135	-.08638	.32343	6.15601
3.500	-6.628	-.09054	-.08471	-.08897	-.09787	-.10405	-.08320	-.08270	-.08683	.31266	6.15206
3.500	-4.580	-.09098	-.08561	-.08987	-.09787	-.10404	-.08365	-.08315	-.08727	.30238	6.14727
3.500	-2.534	-.09234	-.08697	-.09124	-.09788	-.10314	-.08230	-.08225	-.08909	.29354	6.14265
3.500	-.464	-.09368	-.08832	-.09304	-.09742	-.10268	-.08094	-.08089	-.09045	.28487	6.13898
3.500	1.589	-.09458	-.08923	-.09350	-.09652	-.10177	-.08049	-.07863	-.09181	.27970	6.13575
3.500	3.622	-.09549	-.09013	-.09441	-.09562	-.10132	-.08005	-.07547	-.09227	.27487	6.13408
	GRADIENT	-.00055	-.00055	-.00055	.00029	.00033	.00044	.00092	-.00062	-.00336	-.00162

RUN NO. 129/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.785	-.05857	-.04911	-.05362	-.05763	-.06894	-.05018	-.04769	-.05138	.29961	6.13104
4.500	-5.731	-.05797	-.04851	-.05302	-.05823	-.06894	-.05018	-.04889	-.05138	.28771	6.12769
4.500	-3.690	-.05797	-.04911	-.05362	-.05883	-.06894	-.05018	-.04889	-.05138	.27491	6.12494
4.500	-1.667	-.05857	-.04972	-.05423	-.05823	-.06834	-.05019	-.04951	-.05260	.26304	6.12199
4.500	.373	-.06036	-.05152	-.05603	-.05823	-.06833	-.05018	-.04949	-.05379	.25435	6.11936
4.500	2.419	-.06037	-.05212	-.05603	-.05763	-.06773	-.05018	-.04890	-.05500	.24687	6.11736
4.500	4.443	-.06096	-.05212	-.05663	-.05763	-.06773	-.04957	-.04829	-.05560	.24037	6.11545
	GRADIENT	-.00038	-.00041	-.00038	.00015	.00015	.00006	.00009	-.00053	-.00419	-.00116

LARC UPWT 1177(IA94B) OTSAT130 (RJW067) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 131/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.669	-.08914	-.08461	-.08886	-.09733	-.10799	-.08126	-.07986	-.08625	.32467	-6.15472
3.500	-6.611	-.08959	-.08552	-.08932	-.09779	-.10845	-.08263	-.08168	-.08671	.31386	-6.14831
3.500	-4.560	-.09004	-.08597	-.09068	-.09779	-.10845	-.08309	-.08168	-.08762	.30387	-6.14346
3.500	-2.511	-.09140	-.08688	-.09158	-.09734	-.10891	-.08218	-.08168	-.08853	.29462	-6.13675
3.500	-.460	-.09274	-.08778	-.09249	-.09734	-.10891	-.08127	-.07987	-.08943	.28711	-6.13190
3.500	1.585	-.09454	-.09003	-.09429	-.09643	-.10845	-.08036	-.07895	-.09214	.28153	-6.12867
3.500	3.634	-.09543	-.09048	-.09474	-.09281	-.10799	-.07899	-.07577	-.09214	.27609	-6.12593
	GRADIENT	-.00068	-.00059	-.00053	.00053	.00007	.00049	.00071	-.00062	-.00335	.00211

RUN NO. 136/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.758	-.05553	-.04779	-.05107	-.05510	-.06755	-.04822	-.04694	-.05003	.30278	-6.10277
4.500	-5.722	-.05553	-.04719	-.05107	-.05510	-.06815	-.04822	-.04633	-.05003	.29117	-6.10000
4.500	-3.693	-.05553	-.04779	-.05168	-.05510	-.06815	-.04822	-.04694	-.05003	.28002	-6.09612
4.500	-1.652	-.05612	-.04899	-.05227	-.05510	-.06815	-.04881	-.04693	-.05123	.26834	-6.09221
4.500	.379	-.05732	-.04960	-.05228	-.05450	-.06815	-.04882	-.04633	-.05184	.25778	-6.08878
4.500	2.417	-.05792	-.05020	-.05348	-.05330	-.06815	-.04822	-.04573	-.05304	.24982	-6.08590
4.500	4.445	-.05852	-.05080	-.05349	-.05150	-.06755	-.04762	-.04574	-.05365	.24358	-6.08338
	GRADIENT	-.00038	-.00036	-.00024	.00044	.00006	.00009	.00018	-.00044	-.00449	.00156

LARC UPWT 1177(IA94B) OTSAT130 (RJW068) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 132/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.673	-.09003	-.08506	-.08976	-.09326	-.10754	-.08035	-.07849	-.08624	.32011	-4.10191
3.500	-6.617	-.08958	-.08460	-.08930	-.09416	-.10754	-.08126	-.07940	-.08670	.30862	-4.09809
3.500	-4.558	-.09048	-.08551	-.09021	-.09552	-.10845	-.08080	-.07940	-.08715	.29839	-4.09363
3.500	-2.512	-.09184	-.08732	-.09112	-.09598	-.10891	-.08127	-.07896	-.08852	.29041	-4.08838
3.500	-.464	-.09319	-.08822	-.09293	-.09552	-.10890	-.08036	-.07850	-.09033	.28472	-4.08525
3.500	1.589	-.09498	-.08958	-.09429	-.09507	-.10845	-.07944	-.07713	-.09214	.27935	-4.08264
3.500	3.639	-.09588	-.09093	-.09474	-.09325	-.10799	-.07762	-.07531	-.09258	.27413	-4.08089
	GRADIENT	-.00068	-.00064	-.00060	.00027	.00007	.00040	.00049	-.00071	-.00291	.00152

RUN NO. 137/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.764	-.05733	-.04840	-.05168	-.05150	-.06815	-.04822	-.04574	-.05064	.29936	-4.06697
4.500	-5.722	-.05672	-.04839	-.05107	-.05270	-.06755	-.04822	-.04573	-.05063	.28613	-4.06454
4.500	-3.690	-.05672	-.04779	-.05107	-.05270	-.06755	-.04822	-.04573	-.05063	.27252	-4.06228
4.500	-1.651	-.05672	-.04899	-.05228	-.05270	-.06815	-.04761	-.04573	-.05123	.26184	-4.05921
4.500	.385	-.05732	-.04899	-.05228	-.05270	-.06815	-.04761	-.04573	-.05123	.25450	-4.05711
4.500	2.414	-.05912	-.05020	-.05348	-.05270	-.06815	-.04822	-.04573	-.05304	.24763	-4.05486
4.500	4.440	-.05852	-.05080	-.05349	-.05210	-.06755	-.04822	-.04574	-.05305	.24037	-4.05301
	GRADIENT	-.00030	-.00036	-.00030	.00006	-.00000	-.00003	-.00000	-.00033	-.00386	.00113

LARC UPWT 1177(IA94B) OTSAT130 (RJW069) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 130/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.669	-.08823	-.08369	-.08704	-.10004	-.10754	-.08624	-.08483	-.08533	.31402	-.00672
3.500	-6.608	-.08822	-.08413	-.08748	-.10003	-.10799	-.08578	-.08437	-.08578	.30211	-.00625
3.500	-4.560	-.08913	-.08460	-.08840	-.10049	-.10799	-.08488	-.08347	-.08624	.29237	-.00516
3.500	-2.510	-.09047	-.08595	-.09020	-.10004	-.10799	-.08306	-.08120	-.08760	.28537	-.00478
3.500	-.461	-.09271	-.08819	-.09200	-.09912	-.10798	-.07986	-.07754	-.08984	.28078	-.00461
3.500	1.591	-.09316	-.08864	-.09200	-.09821	-.10753	-.07804	-.07618	-.09120	.27600	-.00409
3.500	3.631	-.09408	-.08958	-.09248	-.09733	-.10799	-.07628	-.07351	-.09169	.27039	-.00402
	GRADIENT	-.00061	-.00062	-.00049	.00040	.00002	.00108	.00122	-.00071	-.00260	.00015

RUN NO. 135/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.763	-.05374	-.04540	-.04867	-.05511	-.06694	-.04702	-.04574	-.04763	.29181	-.00188
4.500	-5.729	-.05374	-.04600	-.04928	-.05511	-.06694	-.04702	-.04574	-.04883	.27928	-.00169
4.500	-3.682	-.05493	-.04720	-.05048	-.05571	-.06755	-.04762	-.04574	-.04943	.26715	-.00093
4.500	-1.656	-.05553	-.04780	-.05108	-.05571	-.06755	-.04702	-.04574	-.05003	.25772	-.00060
4.500	.383	-.05672	-.04899	-.05228	-.05571	-.06815	-.04761	-.04513	-.05123	.24977	-.00080
4.500	2.415	-.05732	-.05020	-.05288	-.05510	-.06815	-.04761	-.04573	-.05244	.24377	-.00103
4.500	4.444	-.05793	-.05020	-.05349	-.05451	-.06755	-.04702	-.04513	-.05305	.23770	-.00005
	GRADIENT	-.00038	-.00041	-.00038	.00015	-.00003	.00003	.00006	-.00047	-.00358	-.00001

LARC UPWT 1177(1A94B) OTSAT130 (RJW070) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 133/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.670	-.08869	-.08371	-.08615	-.09643	-.10800	-.08263	-.08123	-.08535	.32006	4.08378
3.500	-6.609	-.08915	-.08372	-.08661	-.09644	-.10800	-.08309	-.08168	-.08581	.30875	4.08148
3.500	-4.562	-.09005	-.08418	-.08752	-.09689	-.10755	-.08264	-.08124	-.08627	.29839	4.07837
3.500	-2.513	-.09049	-.08506	-.08841	-.09688	-.10709	-.08172	-.08077	-.08716	.28973	4.07472
3.500	-.461	-.09185	-.08643	-.08978	-.09644	-.10618	-.08083	-.07943	-.08853	.28330	4.07205
3.500	1.589	-.09275	-.08824	-.09114	-.09599	-.10527	-.07992	-.07807	-.09034	.27763	4.07046
3.500	3.629	-.09409	-.08959	-.09249	-.09553	-.10436	-.07901	-.07624	-.09169	.27267	4.06935
	GRADIENT	-.00050	-.00068	-.00062	.00018	.00040	.00044	.00062	-.00068	-.00310	-.00109

RUN NO. 138/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.758	-.05554	-.04601	-.04989	-.05391	-.06755	-.04884	-.04635	-.04884	.29689	4.05563
4.500	-5.726	-.05494	-.04661	-.04989	-.05452	-.06755	-.04884	-.04696	-.04864	.28435	4.05383
4.500	-3.693	-.05554	-.04661	-.05049	-.05512	-.06816	-.04824	-.04696	-.04945	.27186	4.05176
4.500	-1.652	-.05614	-.04781	-.05109	-.05572	-.06816	-.04884	-.04696	-.05004	.26110	4.04974
4.500	.379	-.05734	-.04841	-.05169	-.05572	-.06755	-.04884	-.04696	-.05065	.25297	4.04780
4.500	2.418	-.05793	-.04961	-.05229	-.05572	-.06816	-.04824	-.04696	-.05246	.24596	4.04676
4.500	4.441	-.05853	-.05022	-.05350	-.05512	-.06755	-.04763	-.04635	-.05246	.23904	4.04539
	GRADIENT	-.00039	-.00044	-.00035	-.00000	.00006	.00039	.00006	-.00042	-.00397	-.00077

LARC UPWT 1177(1A94B) OTSAT130 (RJW071) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 134/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
3.500	-8.666	-.08915	-.08327	-.08706	-.09553	-.10345	-.08128	-.07988	-.08536	.32306	6.15456
3.500	-6.626	-.08959	-.08371	-.08751	-.09598	-.10390	-.08263	-.08213	-.08580	.31180	6.15042
3.500	-4.568	-.09006	-.08419	-.08798	-.09645	-.10346	-.08311	-.08261	-.08583	.30170	6.14573
3.500	-2.518	-.09094	-.08506	-.08886	-.09643	-.10299	-.08217	-.08212	-.08716	.29268	6.14108
3.500	-.458	-.09229	-.08687	-.09022	-.09598	-.10163	-.08081	-.08077	-.08852	.28456	6.13719
3.500	1.585	-.09409	-.08868	-.09158	-.09462	-.10026	-.07992	-.07760	-.09079	.27907	6.13440
3.500	3.633	-.09454	-.08914	-.09249	-.09372	-.09936	-.07946	-.07398	-.09124	.27451	6.13257
	GRADIENT	-.00059	-.00066	-.00057	.00035	.00053	.00047	.00106	-.00070	-.00332	-.00161

RUN NO. 139/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
4.500	-7.751	-.05733	-.04780	-.05108	-.05572	-.06815	-.04823	-.04695	-.05004	.29928	6.11149
4.500	-5.726	-.05614	-.04722	-.05049	-.05512	-.06755	-.04824	-.04696	-.04945	.28736	6.10848
4.500	-3.686	-.05674	-.04722	-.05110	-.05572	-.06816	-.04885	-.04696	-.04945	.27456	6.10530
4.500	-1.652	-.05734	-.04782	-.05110	-.05572	-.06755	-.04885	-.04757	-.05005	.26378	6.10300
4.500	.379	-.05793	-.04901	-.05229	-.05572	-.06755	-.04884	-.04756	-.05065	.25471	6.10016
4.500	2.412	-.05854	-.04962	-.05290	-.05512	-.06695	-.04824	-.04757	-.05306	.24697	6.09822
4.500	4.447	-.05913	-.05022	-.05350	-.05512	-.06634	-.04763	-.04635	-.05306	.24111	6.09575
	GRADIENT	-.00029	-.00038	-.00032	.00009	.00021	.00015	.00006	-.00050	-.00412	-.00117

LARC UPWT 1177(1A94B) OTSAT130 (RJW072) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 141/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.727	-.15904	-.15445	-.16461	-.19222	-.18852	-.15757	-.15789	-.15723	.37730	-6.22885
2.500	-6.639	-.16140	-.15648	-.16665	-.19290	-.18920	-.15690	-.15824	-.15859	.37248	-6.22200
2.500	-4.556	-.16568	-.15976	-.17097	-.19488	-.19153	-.15073	-.15376	-.16054	.36500	-6.21230
2.500	-2.468	-.16904	-.16212	-.17232	-.19590	-.19323	-.14532	-.14869	-.16358	.35961	-6.20470
2.500	-.376	-.17210	-.16520	-.17438	-.19524	-.19461	-.13862	-.14132	-.16667	.35264	-6.19855
2.500	1.691	-.17308	-.16652	-.17537	-.19388	-.19460	-.13283	-.13283	-.16766	.34748	-6.19559
2.500	3.768	-.17241	-.16652	-.17672	-.18949	-.19324	-.12911	-.12370	-.16698	.34424	-6.19074
	GRADIENT	-.00084	-.00086	-.00070	.00061	-.00023	.00268	.00365	-.00082	-.00258	.00251

LARC UPWT 1177(1A94B) OTSAT130 (RJW073) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 142/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.726	-.15729	-.15167	-.16219	-.19219	-.19289	-.14871	-.14937	-.15378	.37492	-4.15049
2.500	-6.627	-.16130	-.15587	-.16419	-.19319	-.19220	-.15038	-.14969	-.15613	.36929	-4.14567
2.500	-4.538	-.16400	-.15839	-.16590	-.19488	-.19289	-.14803	-.14666	-.15851	.36254	-4.13643
2.500	-2.458	-.16568	-.15841	-.16725	-.19556	-.19323	-.14397	-.14227	-.15986	.35732	-4.13084
2.500	-.383	-.16874	-.16183	-.16999	-.19490	-.19359	-.13760	-.13624	-.16362	.35214	-4.12733
2.500	1.696	-.17083	-.16427	-.17276	-.19292	-.19363	-.13029	-.12893	-.16573	.34581	-4.12559
2.500	3.762	-.17050	-.16394	-.17378	-.19024	-.19262	-.12828	-.12422	-.16506	.34318	-4.12264
	GRADIENT	-.00087	-.00101	-.00102	.00057	.00001	.00256	.00281	-.00091	-.00242	.00158

DATE 29 OCT 76 TABULATED SOURCE DATA - 1A94B.

LARC UPWT 1177(1A94B) OTSAT130 (RJW074) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 140/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.739	-.14897	-.14264	-.15279	-.19188	-.18512	-.15114	-.14910	-.14540	.37123	-.00399
2.500	-6.640	-.14937	-.14473	-.15622	-.19191	-.18482	-.14985	-.14815	-.14749	.36422	-.00110
2.500	-4.547	-.15240	-.14811	-.16197	-.19158	-.18347	-.14818	-.14648	-.15021	.35636	.00012
2.500	-2.461	-.15566	-.15105	-.16561	-.19086	-.18240	-.14538	-.14233	-.15282	.35140	.00092
2.500	-.389	-.15903	-.15443	-.16730	-.19019	-.18207	-.13931	-.13559	-.15688	.34884	.00229
2.500	1.691	-.16202	-.15811	-.16795	-.18916	-.18205	-.13454	-.13014	-.16023	.34490	.00252
2.500	3.759	-.16163	-.15704	-.16825	-.18677	-.17998	-.13109	-.12703	-.15849	.33953	.00202
	GRADIENT	-.00120	-.00120	-.00072	.00055	.00035	.00217	.00246	-.00115	-.00193	.00026

LARC UPWT 1177(1A94B) OTSAT130 (RJW075) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 143/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.739	-.15711	-.15016	-.15727	-.18991	-.18247	-.14990	-.15359	-.15192	.37535	4.15253
2.500	-6.646	-.15851	-.15224	-.16002	-.18792	-.17743	-.14827	-.15163	-.15469	.36922	4.15100
2.500	-4.560	-.15945	-.15351	-.16199	-.18418	-.16790	-.14550	-.14616	-.15596	.36193	4.14547
2.500	-2.479	-.16209	-.15582	-.16633	-.17977	-.15769	-.14004	-.13801	-.15760	.35625	4.14262
2.500	-.394	-.16678	-.15986	-.17173	-.18146	-.15870	-.13498	-.12754	-.16132	.35154	4.14008
2.500	1.692	-.16946	-.16222	-.17375	-.18173	-.15938	-.12991	-.12112	-.16368	.34434	4.13795
2.500	3.757	-.17044	-.16319	-.17372	-.17974	-.15866	-.12985	-.12444	-.16499	.34167	4.13616
	GRADIENT	-.00141	-.00124	-.00149	.00033	.00081	.00199	.00290	-.00116	-.00252	-.00112

LARC UPWT 1177(IA94B) OTSAT130 (RJW076) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 144/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	BETA
2.500	-8.747	-.15847	-.15119	-.15932	-.18252	-.16657	-.15633	-.15867	-.15262	.37707	6.22924
2.500	-6.661	-.16078	-.15418	-.16299	-.18182	-.16484	-.15190	-.15425	-.15595	.37042	6.22547
2.500	-4.569	-.16248	-.15689	-.16604	-.17611	-.15436	-.14619	-.14550	-.15901	.36315	6.21848
2.500	-2.475	-.16381	-.15823	-.16806	-.17475	-.15028	-.14314	-.14043	-.15968	.35698	6.21184
2.500	-.393	-.16749	-.16058	-.17075	-.17441	-.14858	-.13706	-.12727	-.16237	.35018	6.20761
2.500	1.691	-.17049	-.16292	-.17344	-.17609	-.14924	-.12928	-.11949	-.16539	.34293	6.20577
2.500	3.761	-.17079	-.16423	-.17273	-.17167	-.14343	-.12888	-.12988	-.16603	.33951	6.20246
	GRADIENT	-.00112	-.00093	-.00090	.00036	.00110	.00233	.00251	-.00095	-.00295	-.00183

LARC UPWT 1177(IA94B) OTSAT130 (SJW001) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 2/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.728	-.12214	.03400	.29595	.21475	-.05218	.02760	434.37769	-6.22840	-.53316
2.500	-6.643	-.11670	.03239	.28468	.16885	-.06008	.02299	434.19845	-6.22052	-.40767
2.500	-4.539	-.11181	.03177	.27246	.12541	-.06673	.01888	434.12163	-6.21097	-.28626
2.500	-2.449	-.10984	.03223	.26799	.08691	-.07437	.01550	434.07042	-6.20287	-.17598
2.500	-.376	-.10952	.03229	.25881	.05490	-.08391	.01352	433.99360	-6.19696	-.07951
2.500	1.698	-.11171	.03296	.25928	.02090	-.09057	.01071	434.48011	-6.19547	.01950
2.500	3.754	-.10925	.03284	.25313	-.01849	-.08561	.00643	434.22405	-6.19059	.11986
	GRADIENT	.00016	.00014	-.00209	-.01706	-.00261	-.00143	.02965	.00232	.04861

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (SJW002) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 3/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.736	-.08128	.02113	.19685	.22217	-.04479	.02850	434.37769	-4.15139	-.54186
2.500	-6.635	-.07709	.02015	.18742	.17348	-.05216	.02306	434.50572	-4.14456	-.41208
2.500	-4.543	-.07185	.01981	.17657	.13088	-.05940	.01881	435.55556	-4.13738	-.29544
2.500	-2.467	-.07102	.02062	.17094	.09152	-.06670	.01560	435.91404	-4.13161	-.18237
2.500	-.387	-.07017	.02040	.16703	.05909	-.07605	.01379	435.96525	-4.12780	-.08225
2.500	1.694	-.07020	.02087	.16444	.02725	-.08099	.01060	435.50434	-4.12452	.01475
2.500	3.768	-.06973	.02102	.16246	-.01011	-.07780	.00632	435.91404	-4.12280	.11244
	GRADIENT	.00024	.00013	-.00167	-.01666	-.00246	-.00144	.01475	.00174	.04874

LARC UPWT 1177(1A94B) OTSAT130 (SJW003) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 1/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.744	.00025	-.00005	.00188	.21710	-.02563	.02618	434.73617	-.02128	-.53989
2.500	-6.645	.00103	-.00014	-.00038	.16911	-.03197	.02064	435.17147	-.01945	-.41121
2.500	-4.538	.00200	-.00020	-.00278	.12532	-.03871	.01513	435.22268	-.01763	-.29184
2.500	-2.468	.00270	-.00026	-.00389	.08645	-.04361	.01078	434.91541	-.01704	-.17962
2.500	-.380	.00295	-.00065	-.00506	.05538	-.04761	.00798	434.94102	-.01590	-.08041
2.500	1.686	.00254	-.00093	-.00539	.02722	-.05373	.00551	434.94102	-.01507	.01117
2.500	3.764	.00146	-.00111	-.00327	-.00896	-.05700	.00107	434.81299	-.01654	.11115
	GRADIENT	-.00006	-.00012	-.00012	-.01579	-.00225	-.00161	-.03823	.00020	.04802

LARC UPWT 1177(IA948) OTSAT130 (SJW004) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.742	.07803	-.01992	-.18523	.22228	-.00724	.02828	435.35071	4.13323	-.55000
2.500	-6.660	.07720	-.01957	-.18413	.17621	-.01112	.02312	435.01783	4.13260	-.42664
2.500	-4.558	.07450	-.01951	-.17785	.13288	-.01612	.01769	435.01783	4.12732	-.30578
2.500	-2.481	.07391	-.02047	-.17473	.09281	-.02099	.01193	434.94102	4.12465	-.19093
2.500	-.392	.07406	-.02107	-.17277	.06018	-.02661	.00535	435.01783	4.12217	-.09017
2.500	1.686	.07416	-.02218	-.17279	.02867	-.03237	.00123	434.83859	4.12204	.00634
2.500	3.759	.07242	-.02246	-.16815	-.00882	-.03379	-.00207	434.32647	4.11810	.10702
	GRADIENT	-.00019	-.00037	.00103	-.01671	-.00225	-.00241	-.07134	-.00106	.04917

LARC UPWT 1177(IA948) OTSAT130 (SJW005) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.752	.12045	-.03238	-.28574	.22498	.00129	.02928	435.06904	6.23123	-.55761
2.500	-6.659	.11725	-.03122	-.27949	.18005	-.00162	.02451	435.01783	6.22697	-.43610
2.500	-4.567	.11324	-.03083	-.27072	.13681	-.00562	.01940	435.24829	6.22067	-.31518
2.500	-2.477	.11160	-.03176	-.26412	.09634	-.01100	.01382	434.96662	6.21431	-.19975
2.500	-.389	.11071	-.03232	-.25966	.06162	-.01586	.00831	435.17147	6.20999	-.09504
2.500	1.675	.11092	-.03311	-.25810	.02782	-.02298	.00148	435.12026	6.20787	.00327
2.500	3.755	.10927	-.03392	-.25524	-.01177	-.02474	-.00175	434.94102	6.20603	.10679
	GRADIENT	-.00041	-.00036	.00178	-.01758	-.00241	-.00263	-.02217	-.00172	.05035

LARC UPWT 1177(1A94B) OTSAT130 (SJW006) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 7/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.740	-.12195	.03412	.29579	.21091	-.05127	.01079	434.60814	-6.22851	-.53116
2.500	-6.673	-.11662	.03251	.28363	.16563	-.05888	.00757	434.78738	-6.21963	-.40854
2.500	-4.558	-.11116	.03176	.27101	.12301	-.06585	.00411	434.96662	-6.21031	-.28699
2.500	-2.464	-.10969	.03234	.26329	.08531	-.07415	.00148	434.65935	-6.20245	-.17805
2.500	-.381	-.10988	.03269	.25918	.05129	-.08424	.00008	434.83859	-6.19741	-.07429
2.500	1.700	-.11154	.03315	.25842	.01935	-.09024	-.00215	434.83859	-6.19478	.01830
2.500	3.746	-.10992	.03322	.25385	-.02103	-.08595	-.00701	434.42890	-6.19085	.12061
	GRADIENT	.00003	.00018	-.00189	-.01704	-.00272	-.00124	-.04304	.00224	.04870

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.681	-.11257	.02913	.26940	.18418	-.04630	.01414	323.96716	-6.15420	-.45676
3.500	-6.612	-.10769	.02745	.25862	.15565	-.04614	.01270	323.94468	-6.14841	-.36906
3.500	-4.573	-.10309	.02594	.24846	.12155	-.04764	.01171	323.96716	-6.14295	-.27423
3.500	-2.527	-.09621	.02508	.23515	.09278	-.05132	.00928	324.04586	-6.13643	-.18659
3.500	-.458	-.09089	.02570	.22544	.06636	-.05232	.00707	324.07959	-6.13188	-.10177
3.500	1.594	-.08774	.02628	.21899	.03949	-.05805	.00508	323.93343	-6.12850	-.01895
3.500	3.604	-.08551	.02705	.21474	.00672	-.05937	.00243	324.05835	-6.12652	.06684
	GRADIENT	.00213	.00017	-.00409	-.01382	-.00147	-.00111	.00436	.00199	.04150

RUN NO. 17/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.765	-.09393	.02235	.23488	.17343	-.03125	.01381	243.51455	-6.10374	-.41264
4.500	-5.705	-.08899	.02084	.22565	.14795	-.02922	.01234	243.65920	-6.10054	-.33147
4.500	-3.701	-.08339	.02030	.21484	.12076	-.02745	.00970	243.51455	-6.09653	-.24989
4.500	-1.666	-.07874	.02044	.20501	.09387	-.02791	.00720	243.44223	-6.09262	-.16931
4.500	.380	-.07473	.02171	.19662	.06906	-.03058	.00735	243.51455	-6.08935	-.09047
4.500	2.405	-.06940	.02305	.18778	.04712	-.03101	.00602	243.58687	-6.08653	-.01910
4.500	4.442	-.06284	.02262	.17801	.01768	-.03301	.00411	243.65920	-6.08386	.05972
	GRADIENT	.00248	.00036	-.00446	-.01242	-.00070	-.00061	.02131	.00154	.03780

LARC UPWT 1177(IA948) OTSAT130 (SJN007) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 8/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.730	-.08107	.02152	.19601	.21662	-.04437	.01235	434.81299	-4.15076	-.53746
2.500	-6.658	-.07761	.02069	.18817	.16835	-.05200	.00823	434.76177	-4.14501	-.40805
2.500	-4.567	-.07199	.02025	.17618	.12511	-.05898	.00494	434.96662	-4.13658	-.28656
2.500	-2.455	-.07031	.02058	.16931	.08641	-.06676	.00222	434.71056	-4.13004	-.17790
2.500	-.389	-.07080	.02096	.16832	.05536	-.07599	.00107	434.86420	-4.12837	-.08069
2.500	1.697	-.07057	.02133	.16527	.02398	-.08087	-.00175	434.81299	-4.12493	.01552
2.500	3.759	-.07020	.02138	.16278	-.01341	-.07760	-.00644	434.91541	-4.12241	.11350
	GRADIENT	.00016	.00014	-.00148	-.01632	-.00247	-.00128	-.00012	.00161	.04776

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.699	-.07446	.01880	.17747	.18627	-.02952	.01424	324.06835	-4.10091	-.45642
3.500	-6.634	-.07209	.01742	.17147	.15721	-.03086	.01259	324.05710	-4.09745	-.36765
3.500	-4.573	-.06866	.01658	.16369	.12408	-.03287	.01115	324.06835	-4.09320	-.27421
3.500	-2.531	-.06400	.01640	.15438	.09621	-.03824	.00905	324.06835	-4.08851	-.18820
3.500	-.461	-.06034	.01675	.14748	.07041	-.04059	.00707	324.05710	-4.08516	-.10518
3.500	1.585	-.05568	.01688	.14019	.04538	-.04862	.00530	324.15829	-4.08228	-.02509
3.500	3.637	-.05114	.01701	.13466	.01087	-.04931	.00275	324.04586	-4.08087	.06326
	GRADIENT	.00211	.00007	-.00352	-.01350	-.00211	-.00100	.00219	.00150	.04081

RUN NO. 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.765	-.05954	.01366	.15060	.17153	-.02723	.01278	243.51455	-4.06646	-.40730
4.500	-5.734	-.05657	.01281	.14460	.14969	-.02566	.01175	243.58687	-4.06424	-.33171
4.500	-3.698	-.05312	.01241	.13734	.12249	-.02432	.01014	243.58687	-4.06142	-.25014
4.500	-1.652	-.04944	.01258	.13068	.09602	-.02454	.00881	243.65920	-4.05912	-.16973
4.500	.380	-.04680	.01307	.12508	.07382	-.02365	.00749	243.58687	-4.05687	-.09517
4.500	2.426	-.04101	.01356	.11697	.05044	-.02589	.00603	243.51455	-4.05478	-.02249
4.500	4.433	-.03628	.01409	.11032	.02315	-.02699	.00455	243.65920	-4.05314	.05278
	GRADIENT	.00207	.00021	-.00333	-.01201	-.00033	-.00069	-.00004	.00103	.03702

LARC UPWT 1177(1A94B) OTSAT130 (SJW008) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 6/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.759	-.00084	.00030	.00462	.21013	-.02510	.01116	433.07179	-.00452	-.53101
2.500	-6.642	.00024	.00012	.00048	.16590	-.03140	.00670	432.73891	-.00076	-.40848
2.500	-4.533	.00080	.00024	-.00103	.12076	-.03817	.00240	432.84134	.00041	-.28640
2.500	-2.461	.00170	.00016	-.00244	.08268	-.04335	-.00088	432.53406	.00115	-.17448
2.500	-.381	.00240	-.00034	-.00422	.05368	-.04739	-.00272	432.38043	.00255	-.08010
2.500	1.633	.00168	-.00064	-.00329	.02527	-.05421	-.00509	435.12026	.00220	.01299
2.500	3.748	.00123	-.00090	-.00301	-.00905	-.05672	-.00954	434.99223	.00229	.10676
	GRADIENT	.00004	-.00015	-.00023	-.01530	-.00232	-.00136	.33246	.00023	.04701

RUN NO. 11/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.667	-.00198	.00164	.00586	.18040	-.02499	.00861	324.07959	-.00357	-.45048
3.500	-6.637	-.00178	.00113	.00506	.15382	-.02433	.00817	323.94468	-.00308	-.36464
3.500	-4.561	-.00174	.00108	.00447	.12267	-.02500	.00619	323.88846	-.00263	-.27432
3.500	-2.516	-.00180	.00084	.00393	.09512	-.02919	.00486	323.96716	-.00213	-.18900
3.500	-.467	-.00147	.00066	.00344	.07021	-.03306	.00431	323.91095	-.00193	-.10663
3.500	1.584	-.00197	.00070	.00409	.04710	-.03456	.00309	323.97840	-.00212	-.02992
3.500	3.627	-.00193	.00047	.00440	.01544	-.03574	.00122	323.91095	-.00247	.05682
	GRADIENT	-.00003	-.00007	.00000	-.01282	-.00131	-.00057	.00275	.00002	.04011

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.754	.00119	.00032	.00068	.16754	-.02119	.00955	243.65920	-.01992	-.40123
4.500	-5.717	.00183	-.00038	-.00049	.14554	-.01941	.00926	243.58687	-.01957	-.32626
4.500	-3.691	.00161	-.00042	-.00086	.12174	-.01919	.00764	243.51455	-.01925	-.24877
4.500	-1.666	.00093	-.00042	-.00065	.09879	-.02320	.00617	243.58687	-.01901	-.17439
4.500	.378	.00095	-.00043	-.00036	.07484	-.02599	.00558	243.51455	-.01921	-.09877
4.500	2.420	.00053	-.00065	.00044	.05196	-.02431	.00499	243.65920	-.01950	-.02505
4.500	4.452	-.00018	-.00085	.00063	.02605	-.02142	.00426	243.58687	-.01926	.04960
	GRADIENT	-.00020	-.00005	.00020	-.01169	-.00027	-.00039	.01065	-.00003	.03662

LARC UPWT 1177(IA94B) OTSAT130 (SJW009) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.757	.07865	-.01970	-.18731	.21673	-.00625	.01341	434.81299	4.15401	-.54682
2.500	-6.663	.07696	-.01924	-.18361	.16832	-.01050	.00971	434.83859	4.15127	-.41797
2.500	-4.550	.07450	-.01918	-.17747	.12784	-.01549	.00567	435.19707	4.14653	-.30186
2.500	-2.474	.07406	-.02024	-.17480	.08801	-.02025	.00041	434.78738	4.14363	-.18936
2.500	-.394	.07382	-.02074	-.17224	.05496	-.02599	-.00525	434.88980	4.14085	-.08647
2.500	1.678	.07332	-.02165	-.17071	.02340	-.03212	-.00915	434.81299	4.13951	.01111
2.500	3.762	.07242	-.02230	-.16850	-.01466	-.03336	-.01296	435.04344	4.13782	.11270
	GRADIENT	-.00024	-.00037	.00106	-.01683	-.00229	-.00225	-.01353	-.00104	.04956

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.674	.07042	-.01669	-.16527	.18469	-.01845	.00640	324.09083	4.08519	-.45422
3.500	-6.624	.06723	-.01544	-.15934	.15654	-.01928	.00541	324.13580	4.08232	-.36704
3.500	-4.574	.06334	-.01475	-.15236	.12472	-.01978	.00508	324.16953	4.07905	-.27576
3.500	-2.514	.05897	-.01476	-.14455	.09669	-.01996	.00420	324.07959	4.07540	-.18987
3.500	-.473	.05520	-.01551	-.13828	.07207	-.02180	.00353	324.09083	4.07273	-.10815
3.500	1.583	.05113	-.01614	-.13250	.04811	-.02499	.00188	324.03462	4.07071	-.02927
3.500	3.627	.04737	-.01667	-.12832	.01488	-.02850	.00011	324.16953	4.06987	.05678
	GRADIENT	-.00194	-.00025	.00293	-.01309	-.00110	-.00060	-.00221	-.00112	.04028

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.783	.06133	-.01349	-.14926	.16980	-.02142	.00779	243.58687	4.05658	-.40484
4.500	-5.724	.05996	-.01358	-.14563	.14593	-.02120	.00764	243.58687	4.05488	-.32638
4.500	-3.710	.05581	-.01305	-.13954	.11895	-.02030	.00661	243.65920	4.05250	-.24579
4.500	-1.646	.05189	-.01308	-.13196	.09516	-.01919	.00573	243.58687	4.05033	-.16829
4.500	.379	.04871	-.01431	-.12691	.07453	-.01852	.00499	243.58687	4.04879	-.09687
4.500	2.424	.04321	-.01541	-.11986	.05227	-.01986	.00411	243.58687	4.04726	-.02579
4.500	4.448	.03945	-.01611	-.11542	.02410	-.01941	.00397	243.65920	4.04644	.05197
	GRADIENT	-.00203	-.00041	.00286	-.01141	.00005	-.00034	-.00003	-.00075	.03620

ORIGINAL PAGE IS OF POOR QUALITY

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.769	.11840	-.03158	-.28117	.21971	.00143	.01449	434.76177	6.24663	-.55452
2.500	-6.673	.11568	-.03066	-.27595	.17270	-.00162	.01102	434.94102	6.24323	-.42856
2.500	-4.554	.11124	-.03028	-.26664	.12989	-.00562	.00748	435.09465	6.23668	-.30654
2.500	-2.478	.11032	-.03126	-.26134	.08961	-.01074	.00313	435.12026	6.23127	-.19300
2.500	-.397	.10925	-.03177	-.25628	.05578	-.01562	-.00199	434.83859	6.22619	-.09056
2.500	1.693	.10926	-.03249	-.25438	.02227	-.02287	-.00891	434.83859	6.22391	.00894
2.500	3.761	.10690	-.03313	-.25022	-.01870	-.02487	-.01201	434.83859	6.22133	.11445
	GRADIENT	-.00047	-.00033	.00191	-.01752	-.00243	-.00245	-.03817	-.00183	.05019

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.670	.10650	-.02641	-.25015	.18687	-.01341	.00497	324.16953	6.17365	-.45918
3.500	-6.630	.10141	-.02478	-.24076	.15844	-.01342	.00453	324.04586	6.16908	-.37102
3.500	-4.587	.09564	-.02332	-.23019	.12603	-.01358	.00397	324.11332	6.16408	-.27987
3.500	-2.516	.08943	-.02289	-.21948	.09654	-.01408	.00298	324.27071	6.15937	-.19115
3.500	-.467	.08495	-.02390	-.21171	.07168	-.01576	.00243	324.11332	6.15583	-.10827
3.500	1.590	.08140	-.02491	-.20544	.04555	-.01778	.00066	324.10207	6.15297	-.02696
3.500	3.638	.07782	-.02592	-.20034	.01074	-.01978	-.00192	324.25947	6.15120	.06155
	GRADIENT	-.00212	-.00035	.00359	-.01370	-.00078	-.00069	.00603	-.00156	.04121

RUN NO. 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.793	.09397	-.02181	-.22644	.17297	-.01807	.00720	243.58687	6.12993	-.40954
4.500	-5.725	.08813	-.02116	-.21699	.14915	-.01806	.00719	243.73152	6.12698	-.33112
4.500	-3.691	.08295	-.02036	-.20789	.12235	-.01718	.00646	243.65920	6.12380	-.25081
4.500	-1.656	.07870	-.02071	-.20018	.09557	-.01561	.00543	243.65920	6.12107	-.16997
4.500	.382	.07418	-.02247	-.19243	.07342	-.01494	.00485	243.65920	6.11851	-.09525
4.500	2.406	.06998	-.02367	-.18581	.04850	-.01494	.00382	243.65920	6.11651	-.02064
4.500	4.444	.06299	-.02390	-.17678	.02123	-.01495	.00338	243.58687	6.11444	.05499
	GRADIENT	-.00239	-.00049	.00377	-.01226	.00025	-.00038	-.00712	-.00115	.03743

LARC UPWT 117/(IA948) OTSAT130 (SJW011) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.687	-.11127	.02889	.26671	.18011	-.04692	-.00320	324.36065	-6.17178	-.44785
3.500	-6.620	-.10703	.02744	.25735	.15261	-.04673	-.00373	324.48432	-6.16676	-.36148
3.500	-4.576	-.10212	.02587	.24686	.11932	-.04761	-.00437	324.20326	-6.16114	-.26895
3.500	-2.515	-.09524	.02504	.23363	.09100	-.05191	-.00544	324.54054	-6.15484	-.18132
3.500	-.464	-.08980	.02551	.22333	.06547	-.05280	-.00672	324.27071	-6.14974	-.09703
3.500	1.592	-.08707	.02626	.21750	.03784	-.05931	-.00832	324.37190	-6.14672	-.01330
3.500	3.638	-.08492	.02717	.21339	.00532	-.06083	-.01099	324.30444	-6.14468	.07280
	GRADIENT	.00207	.00019	-.00405	-.01369	-.00165	-.00078	.00168	.00200	.04147

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.769	-.09184	.02229	.23116	.16954	-.02923	-.00071	243.56321	-6.10247	-.40706
4.500	-5.750	-.08692	.02078	.22146	.14554	-.02701	-.00170	243.49088	-6.09879	-.32792
4.500	-3.699	-.08095	.01998	.21027	.11674	-.02500	-.00313	243.49088	-6.09484	-.24311
4.500	-1.672	-.07582	.02022	.20017	.09051	-.02522	-.00398	243.56321	-6.09112	-.16257
4.500	.377	-.07207	.02129	.19188	.06793	-.02812	-.00284	243.49088	-6.08772	-.08802
4.500	2.416	-.06615	.02254	.18204	.04329	-.02902	-.00455	243.49088	-6.08459	-.01166
4.500	4.437	-.06045	.02259	.17390	.01462	-.03058	-.00682	243.49088	-6.08244	.06580
	GRADIENT	.00249	.00037	-.00446	-.01235	-.00074	-.00039	-.00357	.00154	.03776

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (SJW012) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 23/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.661	-.07486	.01898	.17915	.18385	-.03002	-.00128	324.06835	-4.08299	-.44956
3.500	-6.621	-.07238	.01758	.17266	.15513	-.03137	-.00203	324.03462	-4.07910	-.36220
3.500	-4.570	-.06820	.01656	.16388	.12207	-.03387	-.00288	324.12456	-4.07461	-.26921
3.500	-2.519	-.06323	.01612	.15369	.09463	-.03892	-.00416	323.97840	-4.06936	-.18337
3.500	-.449	-.05965	.01656	.14674	.06950	-.04126	-.00576	324.03462	-4.06595	-.10064
3.500	1.586	-.05525	.01681	.13992	.04425	-.04932	-.00705	323.96716	-4.06328	-.02100
3.500	3.624	-.05094	.01701	.13468	.01209	-.05015	-.00950	324.05710	-4.06196	.06362
	GRADIENT	.00207	.00008	-.00352	-.01319	-.00210	-.00079	-.00715	.00153	.04041

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.770	-.05807	.01402	.14912	.16818	-.02500	-.00014	243.49088	-4.04721	-.40193
4.500	-5.736	-.05565	.01304	.14354	.14602	-.02344	-.00014	243.49088	-4.04486	-.32647
4.500	-3.702	-.05194	.01228	.13660	.11867	-.02187	-.00085	243.49088	-4.04245	-.24374
4.500	-1.665	-.04773	.01238	.12871	.09211	-.02277	-.00170	243.49088	-4.03966	-.16356
4.500	.378	-.04495	.01295	.12253	.07075	-.02187	-.00227	243.49088	-4.03713	-.08922
4.500	2.428	-.03945	.01356	.11487	.04643	-.02410	-.00369	243.56321	-4.03525	-.01525
4.500	4.437	-.03476	.01408	.10828	.01932	-.02544	-.00540	243.56321	-4.03355	.06050
	GRADIENT	.00209	.00023	-.00346	-.01200	-.00042	-.00054	.01066	.00109	.03715

LARC UPWT 1177(IA94B) OTSAT130 (SJW013) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.689	-.00251	.00133	.00796	.17576	-.02599	-.00299	324.13580	-.00504	-.44257
3.500	-6.605	-.00248	.00087	.00663	.14830	-.02465	-.00320	324.07959	-.00386	-.35373
3.500	-4.576	-.00196	.00067	.00547	.11800	-.02533	-.00427	324.01213	-.00333	-.26540
3.500	-2.518	-.00172	.00040	.00440	.09139	-.02936	-.00502	323.94468	-.00261	-.18017
3.500	-.470	-.00166	.00036	.00429	.06845	-.03357	-.00534	323.84349	-.00256	-.10092
3.500	1.597	-.00174	.00009	.00374	.04403	-.03524	-.00662	323.84349	-.00205	-.02181
3.500	3.626	-.00200	.00024	.00484	.01397	-.03607	-.00833	323.94468	-.00283	.06257
	GRADIENT	-.00000	-.00006	-.00009	-.01245	-.00133	-.00047	-.01154	.00008	.03968

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.796	.00227	-.00005	-.00084	.16426	-.01940	-.00014	243.70785	-.00063	-.39591
4.500	-5.713	.00227	-.00048	-.00051	.14328	-.01741	-.00014	243.56321	-.00083	-.32090
4.500	-3.679	.00277	-.00088	-.00222	.11950	-.01718	-.00014	243.56321	-.00008	-.24398
4.500	-1.660	.00232	-.00102	-.00215	.09507	-.02120	-.00099	243.56321	.00009	-.16628
4.500	.388	.00208	-.00067	-.00135	.07096	-.02387	-.00170	243.63553	-.00031	-.09111
4.500	2.413	.00208	-.00108	-.00163	.04925	-.02209	-.00241	243.56321	-.00017	-.01972
4.500	4.441	.00110	-.00117	-.00090	.02317	-.01941	-.00355	243.56321	-.00009	.05534
	GRADIENT	-.00018	-.00003	.00016	-.01174	-.00026	-.00041	.00001	-.00001	.03669

LARC UPWT 1177(IA94B) OTSAT130 (SJW014) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.696	.07018	-.01726	-.16444	.18499	-.01845	-.00363	324.04586	4.12283	-.45310
3.500	-6.617	.06689	-.01597	-.15856	.15562	-.01911	-.00373	324.15829	4.12016	-.36303
3.500	-4.564	.06372	-.01558	-.15301	.12345	-.01979	-.00320	324.10207	4.11755	-.27238
3.500	-2.515	.05927	-.01546	-.14487	.09692	-.01978	-.00373	324.15829	4.11368	-.18778
3.500	-.464	.05587	-.01627	-.13895	.07251	-.02179	-.00437	324.23698	4.11104	-.10647
3.500	1.607	.05203	-.01695	-.13364	.04717	-.02499	-.00641	324.01213	4.10917	-.02528
3.500	3.632	.04826	-.01736	-.12949	.01536	-.02868	-.00864	324.10207	4.10840	.05841
	GRADIENT	-.00186	-.00025	.00284	-.01296	-.00112	-.00066	-.00717	-.00111	.04017

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.755	.06353	-.01444	-.15234	.16513	-.01986	.00044	243.56321	4.05737	-.39786
4.500	-5.725	.06174	-.01427	-.14837	.14290	-.01942	.00044	243.49088	4.05573	-.32115
4.500	-3.703	.05821	-.01410	-.14261	.11520	-.01830	.00029	243.56321	4.05385	-.24115
4.500	-1.660	.05467	-.01432	-.13670	.09203	-.01718	-.00043	243.56321	4.05189	-.16391
4.500	.377	.05096	-.01532	-.13057	.07178	-.01651	-.00085	243.56321	4.04992	-.09100
4.500	2.415	.04573	-.01629	-.12402	.04811	-.01785	-.00241	243.63553	4.04854	-.01860
4.500	4.451	.04182	-.01688	-.11912	.02065	-.01763	-.00270	243.56321	4.04751	.05966
	GRADIENT	-.00205	-.00037	.00293	-.01153	.00003	-.00039	.00355	-.00079	.03664

LARC UPWT 1177(1A94B) OTSAT130 (SJW015) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.697	.10754	-.02740	-.25242	.18766	-.01341	-.00363	324.29320	6.17493	-.45905
3.500	-6.624	.10191	-.02573	-.24228	.15900	-.01341	-.00352	324.23698	6.17021	-.36941
3.500	-4.579	.09661	-.02447	-.23275	.12558	-.01341	-.00363	324.23698	6.16570	-.27759
3.500	-2.529	.09053	-.02392	-.22190	.09610	-.01375	-.00405	324.21450	6.16065	-.18917
3.500	-.468	.08632	-.02504	-.21440	.07186	-.01559	-.00448	324.22574	6.15720	-.10658
3.500	1.583	.08246	-.02590	-.20772	.04497	-.01743	-.00736	324.24823	6.15419	-.02432
3.500	3.628	.07889	-.02670	-.20240	.01105	-.01912	-.01078	324.10207	6.15214	.06321
	GRADIENT	-.00212	-.00031	.00365	-.01365	-.00074	-.00086	-.01149	-.00164	.04124

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.761	.09658	-.02323	-.23172	.17035	-.01584	.00059	243.56321	6.13196	-.40612
4.500	-5.727	.09044	-.02205	-.22089	.14458	-.01607	.00029	243.56321	6.12826	-.32426
4.500	-3.693	.08535	-.02150	-.21199	.11870	-.01517	.00059	243.56321	6.12515	-.24436
4.500	-1.663	.08150	-.02196	-.20497	.09246	-.01361	.00015	243.56321	6.12263	-.16370
4.500	.378	.07697	-.02369	-.19729	.06986	-.01295	-.00028	243.49088	6.12007	-.08953
4.500	2.414	.07245	-.02483	-.19013	.04453	-.01317	-.00213	243.49088	6.11785	-.01355
4.500	4.431	.06584	-.02503	-.18151	.01953	-.01294	-.00284	243.56321	6.11594	.05900
	GRADIENT	-.00236	-.00049	.00373	-.01212	.00024	-.00045	-.00358	-.00114	.03724

LARC UPWT 1177(IA94B) OTSAT130 (SJW016) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.736	-.12283	.03455	.29833	.20559	-.05155	-.00908	434.40329	-6.23054	-.52684
2.500	-6.634	-.11825	.03339	.28763	.15981	-.05979	-.01162	434.53132	-6.22253	-.40096
2.500	-4.535	-.11330	.03282	.27559	.11716	-.06680	-.01433	434.48011	-6.21331	-.28104
2.500	-2.468	-.11188	.03325	.26878	.07966	-.07493	-.01648	434.50572	-6.20669	-.17421
2.500	-.385	-.11138	.03336	.26318	.04632	-.08450	-.01697	434.17284	-6.20036	-.07175
2.500	1.698	-.11312	.03380	.26224	.01327	-.09132	-.01895	434.45450	-6.19760	.02272
2.500	3.756	-.11132	.03403	.25748	-.02728	-.08645	-.02468	434.40329	-6.19375	.12658
	GRADIENT	.00013	.00014	-.00206	-.01712	-.00269	-.00112	-.00388	.00232	.04898

LARC UPWT 1177(IA94B) OTSAT130 (SJW017) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.770	-.08096	.02151	.19604	.21223	-.04426	-.00660	434.73617	-4.15088	-.53495
2.500	-6.641	-.07764	.02083	.18844	.16471	-.05164	-.00979	434.63374	-4.14518	-.40759
2.500	-4.530	-.07164	.02030	.17559	.11905	-.05929	-.01210	434.50572	-4.13605	-.28041
2.500	-2.493	-.07096	.02095	.17111	.08297	-.06714	-.01401	434.68496	-4.13150	-.17678
2.500	-.379	-.06986	.02080	.16662	.05046	-.07615	-.01472	434.63374	-4.12726	-.07557
2.500	1.696	-.07022	.02141	.16464	.01938	-.08149	-.01726	434.86420	-4.12462	.01817
2.500	3.753	-.06995	.02153	.16247	-.01850	-.07847	-.02259	434.94102	-4.12232	.11849
	GRADIENT	.00020	.00014	-.00158	-.01632	-.00254	-.00117	.05052	.00165	.04783

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (SJW018) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 31/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.738	-.00016	.00046	.00243	.20501	-.02462	-.00692	434.86420	-.02151	-.52815
2.500	-6.653	-.00018	.00057	.00097	.15980	-.03127	-.01019	434.53132	-.01974	-.40205
2.500	-4.550	.00159	.00019	-.00271	.11483	-.03817	-.01282	434.30087	-.01725	-.27889
2.500	-2.460	.00242	.00001	-.00363	.07772	-.04320	-.01486	435.27389	-.01706	-.17236
2.500	-.389	.00264	-.00043	-.00417	.04856	-.04747	-.01646	435.04344	-.01666	-.07359
2.500	1.709	.00185	-.00060	-.00390	.01834	-.05398	-.01869	434.94102	-.01621	.02191
2.500	3.759	.00160	-.00087	-.00360	-.01594	-.05637	-.02442	434.86420	-.01630	.11592
	GRADIENT	-.00003	-.00013	-.00010	-.01544	-.00227	-.00130	.03833	.00013	.04733

LARC UPWT 1177(1A94B) OTSAT130 (SJW019) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 34/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.739	.07923	-.01987	-.18760	.21031	-.00575	-.00271	434.76177	4.13463	-.54015
2.500	-6.685	.07759	-.01914	-.18393	.16522	-.00987	-.00501	434.91541	4.13200	-.41831
2.500	-4.554	.07431	-.01903	-.17694	.12244	-.01500	-.00819	434.76177	4.12688	-.29573
2.500	-2.474	.07403	-.02014	-.17486	.08167	-.02001	-.01321	434.68496	4.12460	-.18198
2.500	-.383	.07354	-.02065	-.17167	.04899	-.02600	-.01822	434.81299	4.12132	-.07834
2.500	1.695	.07248	-.02129	-.16887	.01849	-.03174	-.02227	434.96662	4.11907	.01577
2.500	3.774	.07147	-.02182	-.16621	-.01899	-.03313	-.02721	434.78738	4.11688	.11665
	GRADIENT	-.00035	-.00032	.00132	-.01662	-.00230	-.00226	.01600	-.00123	.04910

LARC UPWT 1177(1A94B) OTSAT130 (SJW020) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.741	.11862	-.03149	-.28117	.21221	.00207	-.00215	434.76177	6.24639	-.54568
2.500	-6.660	.11509	-.03047	-.27463	.16557	-.00113	-.00390	434.78738	6.24225	-.41993
2.500	-4.563	.11111	-.03027	-.26609	.12338	-.00525	-.00636	434.81299	6.23607	-.29943
2.500	-2.478	.11037	-.03132	-.26109	.08360	-.01049	-.01042	435.01783	6.23087	-.18567
2.500	-.395	.10952	-.03193	-.25689	.05038	-.01512	-.01456	434.81299	6.22662	-.08450
2.500	1.689	.10915	-.03257	-.25413	.01654	-.02250	-.02220	434.76177	6.22364	.01463
2.500	3.756	.10638	-.03291	-.24874	-.02371	-.02475	-.02625	434.81299	6.22008	.11932
	GRADIENT	-.00051	-.00031	.00200	-.01736	-.00245	-.00248	-.01231	-.00188	.04988

LARC UPWT 1177(1A94B) OTSAT130 (SJW021) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.673	-.11210	.02868	.26932	.18035	-.04644	.00353	324.16953	-6.15459	-.44982
3.500	-6.610	-.10702	.02706	.25802	.15136	-.04576	.00232	324.21450	-6.14843	-.36061
3.500	-4.569	-.10205	.02541	.24736	.11760	-.04661	.00155	324.14704	-6.14282	-.26644
3.500	-2.512	-.09540	.02473	.23435	.09038	-.05097	-.00021	324.14704	-6.13639	-.18025
3.500	-.455	-.09007	.02528	.22426	.06434	-.05164	-.00181	324.13580	-6.13150	-.09596
3.500	1.584	-.08723	.02598	.21853	.03707	-.05769	-.00374	324.10207	-6.12861	-.01354
3.500	3.632	-.08481	.02685	.21399	.00349	-.05953	-.00608	324.10207	-6.12642	.07544
	GRADIENT	.00208	.00020	-.00403	-.01373	-.00159	-.00092	-.00658	.00198	.04149

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (SJW021) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.765	-.09189	.02174	.23169	.16755	-.02945	.00441	243.62802	-6.10283	-.40347
4.500	-5.725	-.08790	.02054	.22433	.14392	-.02731	.00324	242.76014	-6.09985	-.32546
4.500	-3.698	-.08184	.01970	.21281	.11444	-.02542	.00059	243.70035	-6.09611	-.23961
4.500	-1.648	-.07716	.02012	.20286	.08837	-.02566	-.00085	243.55570	-6.09214	-.15919
4.500	.383	-.07303	.02104	.19394	.06507	-.02855	-.00014	243.62802	-6.08859	-.08270
4.500	2.422	-.06736	.02235	.18464	.04131	-.02900	-.00199	243.62802	-6.08568	-.00825
4.500	4.444	-.06112	.02205	.17556	.01252	-.03036	-.00398	243.48338	-6.08316	.06915
	GRADIENT	.00252	.00034	-.00456	-.01233	-.00065	-.00050	-.01777	.00159	.03776

LARC UPWT 1177(IA94B) OTSAT130 (SJW022) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 38/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.683	-.07388	.01840	.17717	.18440	-.02935	.00464	324.04586	-4.10108	-.45243
3.500	-6.621	-.07148	.01704	.17101	.15487	-.03035	.00342	324.16953	-4.09747	-.36207
3.500	-4.546	-.06746	.01599	.16195	.12197	-.03255	.00199	323.96716	-4.09252	-.26928
3.500	-2.512	-.06299	.01577	.15334	.09436	-.03792	.00044	323.92219	-4.08832	-.18347
3.500	-.469	-.05919	.01613	.14558	.06887	-.04027	-.00117	323.94468	-4.08435	-.10073
3.500	1.587	-.05471	.01631	.13873	.04210	-.04798	-.00278	323.96716	-4.08174	-.01834
3.500	3.631	-.05022	.01641	.13313	.01043	-.04898	-.00502	324.00089	-4.08021	.06636
	GRADIENT	.00209	.00007	-.00353	-.01346	-.00210	-.00084	.00551	.00153	.04089

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LARC UPWT 1177(IA94B) OTSAT130 (SJW022) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.758	-.05805	.01306	.14824	.16799	-.02503	.00397	243.19408	-4.06564	-.40059
4.500	-5.736	-.05548	.01216	.14250	.14464	-.02344	.00353	243.48338	-4.06336	-.32285
4.500	-3.669	-.05193	.01180	.13615	.11798	-.02189	.00221	243.33873	-4.06122	-.24207
4.500	-1.666	-.04785	.01188	.12809	.09229	-.02253	.00118	243.62802	-4.05830	-.16346
4.500	.389	-.04522	.01241	.12245	.07052	-.02142	.00044	243.62802	-4.05605	-.08931
4.500	2.417	-.03941	.01290	.11435	.04682	-.02388	-.00099	243.55570	-4.05402	-.01528
4.500	4.445	-.03448	.01337	.10723	.01883	-.02499	-.00256	243.55570	-4.05211	.06233
	GRADIENT	.00213	.00020	-.00352	-.01200	-.00037	-.00058	.01773	.00111	.03727

LARC UPWT 1177(IA94B) OTSAT130 (SJW023) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.673	-.00337	.00139	.00999	.17606	-.02534	.00099	323.92219	-.00618	-.44297
3.500	-6.605	-.00338	.00097	.00906	.14961	-.02397	.00088	324.24823	-.00535	-.35648
3.500	-4.556	-.00318	.00080	.00829	.11783	-.02464	-.00064	324.27071	-.00490	-.26537
3.500	-2.511	-.00269	.00050	.00684	.09166	-.02923	-.00160	323.53994	-.00403	-.18198
3.500	-.465	-.00245	.00042	.00633	.06728	-.03361	-.00225	323.40503	-.00377	-.09986
3.500	1.581	-.00271	.00038	.00617	.04255	-.03458	-.00331	323.80977	-.00347	-.02066
3.500	3.634	-.00234	.00010	.00607	.01264	-.03536	-.00491	324.30444	-.00367	.06367
	GRADIENT	.00008	-.00007	-.00025	-.01268	-.00131	-.00050	.01655	.00015	.04003

LARC UPWT 117/(IA948) OTSAT130 (SJW023) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.764	.00276	-.00024	-.00190	.16053	-.01919	.00162	243.55570	-.00020	-.39265
4.500	-5.728	.00281	-.00081	-.00213	.13853	-.01742	.00147	243.41105	-.00007	-.31579
4.500	-3.678	.00331	-.00121	-.00383	.11478	-.01696	.00044	243.48338	.00069	-.23874
4.500	-1.655	.00262	-.00113	-.00324	.09085	-.02096	-.00043	243.70035	.00065	-.16274
4.500	.380	.00271	-.00109	-.00295	.06592	-.02414	-.00100	243.12176	.00039	-.08406
4.500	2.416	.00184	-.00133	-.00219	.04506	-.02207	-.00142	243.77267	.00035	-.01436
4.500	4.438	.00149	-.00162	-.00196	.01941	-.01899	-.00256	243.26641	.00040	.06080
	GRADIENT	-.00022	-.00005	.00024	-.01165	-.00025	-.00034	-.01778	-.00004	.03681

LARC UPWT 1177(IA948) OTSAT130 (SJW024) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.670	.07078	-.01745	-.16575	.18259	-.01829	-.00096	323.83225	4.08527	-.45071
3.500	-6.627	.06744	-.01620	-.16024	.15456	-.01912	-.00128	324.06835	4.08301	-.36317
3.500	-4.585	.06431	-.01569	-.15428	.12318	-.01946	-.00117	323.95592	4.07999	-.27244
3.500	-2.521	.05959	-.01555	-.14575	.09552	-.01963	-.00128	324.00089	4.07598	-.18651
3.500	-.467	.05590	-.01647	-.13955	.07062	-.02148	-.00182	323.79852	4.07323	-.10390
3.500	1.583	.05213	-.01717	-.13452	.04651	-.02450	-.00363	323.88846	4.07165	-.02531
3.500	3.633	.04809	-.01745	-.12962	.01371	-.02803	-.00577	323.82101	4.07038	.06120
	GRADIENT	-.00194	-.00025	.00295	-.01305	-.00107	-.00056	-.01851	-.00115	.04034

LARC UPWT 1177(IA94B) OTSAT130 (SJW024) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.748	.06239	-.01463	-.15138	.16607	-.01942	.00147	243.48338	4.07647	-.39994
4.500	-5.707	.06032	-.01424	-.14679	.14257	-.01897	.00162	243.55570	4.07462	-.32121
4.500	-3.683	.05684	-.01409	-.14051	.11680	-.01808	.00103	243.55570	4.07233	-.24121
4.500	-1.656	.05351	-.01427	-.13505	.09188	-.01695	.00044	243.70035	4.07059	-.16393
4.500	.383	.04996	-.01545	-.12906	.07177	-.01652	.00000	243.41105	4.06855	-.09121
4.500	2.416	.04490	-.01649	-.12313	.04725	-.01742	-.00142	243.33873	4.06745	-.01692
4.500	4.440	.04108	-.01711	-.11859	.02136	-.01740	-.00170	243.62802	4.06670	.05772
	GRADIENT	-.00198	-.00041	.00274	-.01159	.00004	-.00036	-.01073	-.0007'	.03666

LARC UPWT 1177(IA94B) OTSAT130 (SJW025) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.689	.10801	-.02749	-.25345	.18569	-.01292	-.00096	324.00089	6.15646	-.45673
3.500	-6.615	.10272	-.02590	-.24406	.15776	-.01275	-.00128	324.00089	6.15217	-.36828
3.500	-4.568	.09734	-.02460	-.23418	.12379	-.01309	-.00139	323.91095	6.14739	-.27507
3.500	-2.515	.09118	-.02416	-.22364	.09440	-.01342	-.00171	324.02338	6.14273	-.18644
3.500	-.461	.08695	-.02524	-.21580	.06989	-.01510	-.00203	323.91095	6.13894	-.10390
3.500	1.586	.08322	-.02621	-.20958	.04290	-.01678	-.00459	323.85474	6.13621	-.02157
3.500	3.625	.07977	-.02719	-.20416	.00994	-.01863	-.00716	323.82101	6.13404	.06466
	GRADIENT	-.00210	-.00035	.00362	-.01363	-.00070	-.00070	-.01700	-.00162	.04121

LARC UPWT 1177(IA94B) OTSAT130 (SJW025) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.761	.09617	-.02333	-.23169	.17053	-.01584	.00162	243.62802	6.11330	-.40598
4.500	-5.729	.09019	-.02231	-.22168	.14621	-.01563	.00162	243.33873	6.10995	-.32627
4.500	-3.692	.08492	-.02161	-.21216	.11830	-.01474	.00147	243.41105	6.10655	-.24259
4.500	-1.658	.08130	-.02242	-.20604	.09337	-.01339	.00073	243.62802	6.10459	-.16547
4.500	.369	.07715	-.02405	-.19832	.06996	-.01250	.00029	243.55570	6.10178	-.08946
4.500	2.402	.07242	-.02528	-.19113	.04564	-.01249	-.00114	243.62802	6.09969	-.01536
4.500	4.444	.06553	-.02528	-.18215	.01847	-.01228	-.00199	243.48338	6.09762	.06084
	GRADIENT	-.00234	-.00050	.00369	-.01217	.00029	-.00043	.00710	-.00112	.03723

LARC UPWT 1177(IA94B) OTSAT130 (SJW026) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.759	-.12213	.03397	.29770	.21868	.01345	.00238	435.42753	-6.23091	-.54131
2.500	-6.649	-.11675	.03251	.28657	.17383	.00000	-.00071	435.47874	-6.22330	-.42012
2.500	-4.546	-.11209	.03192	.27468	.13017	-.01123	-.00350	435.40192	-6.21391	-.29844
2.500	-2.497	-.11046	.03246	.26701	.09282	-.02259	-.00556	435.55556	-6.20646	-.18944
2.500	-.398	-.10997	.03270	.26087	.05784	-.03494	-.00627	435.60677	-6.19960	-.08429
2.500	1.690	-.11175	.03304	.26030	.02510	-.04315	-.00889	435.81161	-6.19725	.01015
2.500	3.752	-.11045	.03329	.25676	-.01497	-.04041	-.01508	435.73480	-6.19431	.11209
	GRADIENT	.00010	.00016	-.00205	-.01722	-.00380	-.00127	.04436	.00233	.04911

LARC UPWT 1177(IA948) OTSAT130 (SJW026) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.695	-.11166	.02885	.26901	.18885	.00174	.00673	324.51805	-6.15469	-.46568
3.500	-6.634	-.10726	.02732	.25865	.15921	-.00235	.00551	324.46184	-6.14893	-.37537
3.500	-4.580	-.10246	.02591	.24803	.12363	-.00502	.00441	324.57426	-6.14326	-.27834
3.500	-2.537	-.09622	.02530	.23602	.09483	-.00871	.00243	324.52929	-6.13731	-.19113
3.500	-.469	-.09078	.02586	.22588	.06918	-.01122	.00055	324.60799	-6.13249	-.10709
3.500	1.585	-.08780	.02647	.21972	.04198	-.01724	-.00139	324.64172	-6.12938	-.02445
3.500	3.640	-.08544	.02732	.21564	.00806	-.02244	-.00384	324.58551	-6.12753	.06396
	GRADIENT	.00206	.00019	-.00394	-.01381	-.00211	-.00099	.00658	.00192	.04140

RUN NO. 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.760	-.09454	.02259	.23638	.17373	-.00357	.00632	243.64533	-6.10432	-.41054
4.500	-5.727	-.09028	.02129	.22785	.14866	-.00379	.00544	243.57300	-6.10116	-.32964
4.500	-3.692	-.08418	.02070	.21632	.11953	-.00357	.00323	243.64533	-6.09705	-.24478
4.500	-1.674	-.07969	.02095	.20691	.09256	-.00580	.00176	243.71765	-6.09336	-.16445
4.500	.380	-.07603	.02221	.19868	.06956	-.00736	.00176	243.57300	-6.08990	-.08850
4.500	2.413	-.07007	.02332	.18879	.04563	-.00825	-.00028	243.64533	-6.08684	-.01352
4.500	4.447	-.06387	.02308	.17954	.01699	-.00959	-.00213	243.71765	-6.08426	.06347
	GRADIENT	.00247	.00035	-.00450	-.01237	-.00071	-.00083	.00352	.00158	.03768

LARC UPWT 1177(IA94B) OTSAT130 (SJW027) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.741	-.08111	.02117	.19595	.22121	.01759	.00394	435.63237	-4.15079	-.54349
2.500	-6.639	-.07693	.02010	.18754	.17522	.00530	.00016	435.60677	-4.14516	-.41944
2.500	-4.548	-.07181	.01993	.17733	.13258	-.00661	-.00230	435.93964	-4.13839	-.30075
2.500	-2.467	-.06978	.02033	.17013	.09413	-.01771	-.00413	435.86283	-4.13182	-.19224
2.500	-.392	-.07001	.02056	.16771	.06175	-.02943	-.00468	435.78601	-4.12865	-.09053
2.500	1.690	-.06971	.02087	.16386	.03022	-.03707	-.00755	435.42753	-4.12432	.00555
2.500	3.770	-.06904	.02103	.16146	-.00967	-.03614	-.01377	434.60814	-4.12190	.10875
	GRADIENT	.00027	.00013	-.00183	-.01676	-.00377	-.00127	-.14903	.00195	.04890

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.707	-.07514	.01914	.18023	.19012	.01042	.00750	324.23698	-4.08368	-.46464
3.500	-6.624	-.07271	.01770	.17382	.15869	.00556	.00596	324.21450	-4.07994	-.37181
3.500	-4.582	-.06903	.01696	.16614	.12478	.00139	.00475	324.09083	-4.07595	-.27770
3.500	-2.513	-.06398	.01658	.15606	.09641	-.00369	.00287	324.04586	-4.07083	-.19044
3.500	-.470	-.06070	.01699	.14948	.07105	-.00805	.00110	324.15829	-4.06751	-.10812
3.500	1.590	-.05645	.01716	.14301	.04555	-.01324	-.00053	324.22574	-4.06511	-.02819
3.500	3.634	-.05178	.01741	.13699	.01238	-.01642	-.00283	324.28196	-4.06336	.05891
	GRADIENT	.00205	.00007	-.00348	-.01342	-.00220	-.00091	.02736	.00151	.04069

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.762	-.06049	.01423	.15262	.17039	-.00785	.00617	243.71765	-4.06720	-.40336
4.500	-5.716	-.05761	.01325	.14665	.14777	-.00535	.00573	243.71765	-4.06498	-.32603
4.500	-3.695	-.05433	.01291	.13994	.12096	-.00357	.00440	243.71765	-4.06244	-.24519
4.500	-1.648	-.05014	.01308	.13230	.09363	-.00535	.00338	243.64533	-4.05971	-.16326
4.500	.381	-.04758	.01354	.12665	.07291	-.00558	.00220	243.64533	-4.05740	-.09143
4.500	2.418	-.04195	.01418	.11901	.04987	-.00758	.00088	243.71765	-4.05564	-.01871
4.500	4.455	-.03738	.01470	.11245	.02141	-.00870	-.00099	243.64533	-4.05387	.05833
	GRADIENT	.00207	.00023	-.00335	-.01193	-.00061	-.00065	-.00356	.00104	.03690

LARC UPWT 1177(IA94B) OTSAT130 (SJW028) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.737	-.00064	.00004	.00430	.21911	.03145	.00296	435.29950	-.02313	-.54337
2.500	-6.639	.00032	.00007	.00046	.17456	.02097	-.00064	435.27389	-.01965	-.42121
2.500	-4.541	.00119	.00005	-.00162	.13024	.00958	-.00413	435.22268	-.01812	-.29811
2.500	-2.471	.00233	-.00014	-.00363	.09345	.00052	-.00684	435.04344	-.01688	-.18992
2.500	-.384	.00233	-.00045	-.00389	.06458	-.00762	-.00795	434.99223	-.01650	-.09346
2.500	1.678	.00205	-.00081	-.00420	.03527	-.01648	-.01017	435.35071	-.01599	-.00191
2.500	3.755	.00213	-.00110	-.00511	-.00137	-.02123	-.01669	435.17147	-.01497	.09704
	GRADIENT	.00008	-.00014	-.00036	-.01550	-.00379	-.00137	.00984	.00035	.04717

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.694	-.00282	.00178	.00915	.18574	.00800	.00475	324.10207	-.00573	-.45883
3.500	-6.608	-.00333	.00144	.00910	.15813	.00504	.00409	324.11332	-.00542	-.37000
3.500	-4.580	-.00270	.00126	.00771	.12723	.00278	.00232	324.33817	-.00473	-.28144
3.500	-2.530	-.00248	.00099	.00679	.09989	-.00285	.00110	324.32693	-.00407	-.19640
3.500	-.466	-.00240	.00102	.00668	.07550	-.00838	.00044	324.27071	-.00402	-.11482
3.500	1.578	-.00297	.00103	.00691	.04962	-.01190	-.00107	324.40562	-.00387	-.03412
3.500	3.625	-.00246	.00083	.00683	.01929	-.01307	-.00267	324.34941	-.00419	.04978
	GRADIENT	-.00000	-.00004	-.00008	-.01297	-.00199	-.00059	.00492	.00006	.04019

RUN NO. 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.775	.00132	.00037	.00016	.16811	-.00156	.00426	243.57300	-.01952	-.39935
4.500	-5.717	.00184	-.00021	-.00048	.14596	-.00178	.00397	243.64533	-.01951	-.32219
4.500	-3.691	.00126	-.00011	-.00033	.12067	-.00201	.00309	243.57300	-.01934	-.24367
4.500	-1.668	.00097	-.00025	-.00063	.09663	-.00491	.00220	243.64533	-.01895	-.16777
4.500	.380	.00056	-.00006	.00015	.07530	-.00870	.00176	243.71765	-.01923	-.09665
4.500	2.423	.00006	-.00058	.00039	.05207	-.00870	.00088	243.71765	-.01919	-.02309
4.500	4.450	-.00030	-.00070	.00062	.02755	-.00736	-.00057	243.71765	-.01913	.04980
	GRADIENT	-.00020	-.00007	.00014	-.01133	-.00071	-.00042	.01775	.00001	.03591

DATE 29 OCT 76 TABULATED SOURCE DATA - IA948.

LARC UPWT 117/(IA948) OTSAT130 (SJW029) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.771	.07767	-.01916	-.18382	.22125	.04324	.00493	435.14586	4.15109	-.55458
2.500	-6.658	.07506	-.01848	-.17906	.17480	.03568	.00172	435.76040	4.14815	-.42934
2.500	-4.576	.07392	-.01864	-.17681	.13262	.02742	-.00199	435.47874	4.14648	-.30887
2.500	-2.475	.07258	-.01949	-.17152	.09235	.01849	-.00691	435.58116	4.14155	-.19539
2.500	-.397	.07226	-.02002	-.16864	.06064	.00892	-.01199	435.70919	4.13849	-.09533
2.500	1.673	.07136	-.02098	-.16678	.02990	-.00050	-.01556	435.78601	4.13712	.00102
2.500	3.747	.07070	-.02157	-.16478	-.00872	-.00499	-.02010	435.45313	4.13531	.10356
	GRADIENT	-.00037	-.00035	.00139	-.01660	-.00403	-.00216	.00745	-.00129	.04912

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.686	.07019	-.01642	-.16443	.18715	.01234	.00166	324.16953	4.10387	-.46111
3.500	-6.638	.06739	-.01538	-.15934	.15756	.00678	.00121	324.13580	4.10136	-.37129
3.500	-4.590	.06385	-.01470	-.15266	.12455	.00347	.00132	324.34941	4.09812	-.27759
3.500	-2.532	.05936	-.01468	-.14449	.09636	.00017	.00088	324.14704	4.09426	-.19199
3.500	-.464	.05566	-.01538	-.13821	.07163	-.00335	.00022	324.16953	4.09152	-.10962
3.500	1.585	.05166	-.01616	-.13280	.04749	-.00721	-.00117	324.21450	4.08972	-.03079
3.500	3.624	.04765	-.01641	-.12831	.01490	-.01207	-.00331	324.18077	4.08879	.05539
	GRADIENT	-.00195	-.00024	.00294	-.01305	-.00187	- 00055	-.01315	-.00113	.04026

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.765	.05958	-.01297	-.14548	.16869	-.00268	.00323	243.64533	4.07430	-.40127
4.500	-5.734	.05769	-.01268	-.14131	.14525	-.00468	.00338	243.71765	4.07250	-.32256
4.500	-3.680	.05398	-.01227	-.13478	.11909	-.00535	.00279	243.71765	4.07022	-.24260
4.500	-1.646	.05053	-.01242	-.12867	.09351	-.00513	.00220	243.71765	4.06814	-.16370
4.500	.377	.04754	-.01375	-.12360	.07258	-.00580	.00162	243.71765	4.06647	-.09144
4.500	2.428	.04240	-.01493	-.11763	.05060	-.00736	.00029	243.71765	4.06537	-.02028
4.500	4.442	.03814	-.01531	-.11218	.02361	-.00758	-.00014	243.71765	4.06419	.05567
	GRADIENT	-.00196	-.00042	.00277	-.01151	-.00033	-.00038	.00000	-.00073	.03642

LARC UPWT 117/(IA94B) OTSAT130 (SJW030) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/N	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.762	.11901	-.03150	-.28208	.22287	.05108	.00591	435.63237	6.24765	-.55924
2.500	-6.655	.11519	-.03027	-.27532	.17585	.04320	.00304	435.52995	6.24333	-.43280
2.500	-4.571	.11143	-.02999	-.26724	.13443	.03491	-.00024	435.63237	6.23752	-.31446
2.500	-2.486	.11072	-.03101	-.26237	.09429	.02536	-.00469	435.42753	6.23233	-.19893
2.500	-.397	.10887	-.03132	-.25570	.06100	.01758	-.00921	435.86283	6.22644	-.09703
2.500	1.684	.10922	-.03226	-.25426	.02820	.00776	-.01604	435.58116	6.22413	.00010
2.500	3.751	.10740	-.03290	-.25144	-.01392	.00375	-.01978	435.37631	6.22255	.10758
	GRADIENT	-.00046	-.00034	.00191	-.01743	-.00384	-.00242	-.01714	-.00183	.05012

RUN NO. 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.679	.10570	-.02602	-.24808	.18948	.01511	.00088	324.24823	6.05918	-.46613
3.500	-6.648	.10063	-.02451	-.23903	.16032	.01129	.00066	324.23698	6.05489	-.37647
3.500	-4.568	.09500	-.02302	-.22895	.12621	.00765	.00044	324.20326	6.05017	-.28178
3.500	-2.522	.08858	-.02245	-.21757	.09662	.00469	.00011	324.15829	6.04496	-.19341
3.500	-.471	.08395	-.02349	-.20930	.07136	.00104	-.00043	324.11332	6.04114	-.10988
3.500	1.599	.08066	-.02476	-.20380	.04459	-.00285	-.00267	324.14704	6.03871	-.02719
3.500	3.638	.07710	-.02554	-.19881	.01041	-.00620	-.00544	324.16953	6.03701	.06002
	GRADIENT	-.00213	-.00036	.00381	-.01381	-.00172	-.00071	-.00383	-.00159	.04139

RUN NO. 63/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.756	.09284	-.02137	-.22530	.17220	.00116	.00308	243.71765	6.13000	-.40553
4.500	-5.728	.08753	-.02071	-.21652	.14772	-.00201	.00308	243.71765	6.12708	-.32744
4.500	-3.702	.08199	-.01985	-.20689	.12156	-.00268	.00279	243.64533	6.12375	-.24771
4.500	-1.647	.07761	-.02023	-.19856	.09422	-.00268	.00206	243.71765	6.12074	-.16528
4.500	.380	.07328	-.02183	-.19081	.07073	-.00312	.00132	243.71765	6.11805	-.08977
4.500	2.423	.06936	-.02330	-.18465	.04651	-.00401	-.00028	243.78997	6.11614	-.01513
4.500	4.445	.06201	-.02316	-.17512	.01917	-.00491	-.00099	243.71765	6.11398	.06053
	GRADIENT	-.00237	-.00048	.00380	-.01240	-.00028	-.00049	.01068	-.00119	.03765

LARC UPWT 1177(IA94B) OTSAT130 (INVERTED) (SJW031) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-3.951	-.00649	.00219	.01680	.11221	.00712	-.00493	435.14586	.00550	-.26448
2.500	-1.866	-.00575	.00200	.01505	.07932	-.00162	-.00691	435.37631	.00682	-.16113
2.500	.226	-.00569	.00166	.01514	.05223	-.00975	-.00771	434.94102	.00665	-.06653
2.500	1.383	-.00553	.00154	.01472	.03642	-.01499	-.00914	435.06904	.00699	-.01592
2.500	2.312	-.00623	.00167	.01546	.02345	-.02041	-.01004	434.09602	.00685	.02556
2.500	4.396	-.00631	.00172	.01578	-.01472	-.02328	-.01768	434.30087	.00656	.12761
2.500	6.464	-.00498	.00159	.01343	-.05989	-.02377	-.02659	434.42890	.00802	.24204
2.500	8.574	-.00504	.00115	.01382	-.10616	-.02828	-.03448	434.37769	.00757	.36008
	GRADIENT	.00001	-.00007	-.00010	-.01477	-.00383	-.00133	-.13234	.00011	.04647

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-3.744	-.00217	.00096	.00792	.11194	.00156	.00199	324.33817	.01351	-.24553
3.500	-1.697	-.00218	.00081	.00782	.08538	-.00419	.00099	324.37190	.01360	-.16044
3.500	.363	-.00160	.00068	.00693	.06212	-.00821	.00033	324.33817	.01395	-.07976
3.500	2.427	-.00164	.00061	.00722	.03427	-.01190	-.00139	324.28196	.01371	.00243
3.500	4.477	-.00133	.00042	.00713	.00592	-.01224	-.00288	324.21450	.01356	.08648
3.500	6.523	-.00222	.00049	.00776	-.02595	-.02346	-.00490	324.40562	.01373	.17598
3.500	8.575	-.00166	.00015	.00645	-.06286	-.02832	-.00821	324.33817	.01441	.27184
	GRADIENT	.00011	-.00006	-.00011	-.01280	-.00172	-.00059	-.01641	.00001	.04021

RUN NO. 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-4.512	-.00261	.00091	.00869	.13010	-.00156	.00440	243.78508	-.00432	-.27412
4.500	-2.491	-.00248	.00079	.00787	.10573	-.00334	.00250	243.78508	-.00384	-.19834
4.500	-.428	-.00256	.00073	.00815	.08143	-.00803	.00162	243.71275	-.00399	-.12141
4.500	1.597	-.00248	.00064	.00787	.06041	-.00959	.00117	243.71275	-.00385	-.05081
4.500	3.647	-.00221	.00037	.00705	.03493	-.00758	.00000	243.71275	-.00344	.02365
4.500	5.673	-.00225	.00044	.00674	.00658	-.01159	-.00099	243.78508	-.00317	.10181
4.500	7.709	-.00201	.00023	.00593	-.02303	-.01896	-.00298	243.71275	-.00282	.18510
	GRADIENT	.00004	-.00006	-.00016	-.01155	-.00090	-.00050	-.01065	.00009	.03641

LARC UPWT 1177(IA94B) OTSAT130 (SJW032) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.487	-.12090	.03338	.29427	.22263	.01247	.01204	433.81436	-6.22753	-.54480
2.500	-6.365	-.11703	.03245	.28645	.17629	-.00075	.00875	433.71193	-6.22207	-.42078
2.500	-4.280	-.11137	.03138	.27179	.13295	-.01138	.00543	434.71056	-6.21086	-.29900
2.500	-2.192	-.10953	.03172	.26316	.09458	-.02300	.00296	434.73617	-6.20254	-.18600
2.500	-.118	-.10933	.03197	.25878	.06198	-.03476	.00189	434.71056	-6.19758	-.08795
2.500	1.945	-.11118	.03255	.25851	.03007	-.04225	-.00032	434.76177	-6.19528	.00436
2.500	4.033	-.10881	.03239	.25260	-.01096	-.03914	-.00533	434.68496	-6.19057	.10986
	GRADIENT	.00017	.00014	-.00207	-.01697	-.00360	-.00119	-.00124	.00230	.04955

RUN NO. 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.419	-.11324	.02899	.27183	.19390	.00243	.01281	323.98965	-6.15602	-.47027
3.500	-6.350	-.10817	.02728	.26051	.16308	-.00168	.01137	324.05710	-6.14979	-.37888
3.500	-4.306	-.10310	.02571	.24974	.12850	-.00419	.01038	323.94468	-6.14403	-.28373
3.500	-2.270	-.09639	.02486	.23668	.09977	-.00788	.00795	323.96716	-6.13766	-.19678
3.500	-.180	-.09065	.02546	.22641	.07250	-.01006	.00585	324.04586	-6.13290	-.10952
3.500	1.865	-.08816	.02630	.22055	.04556	-.01594	.00398	324.01213	-6.12967	-.02708
3.500	3.889	-.08586	.02714	.21641	.01134	-.02080	.00165	324.03462	-6.12769	.06152
	GRADIENT	.00208	.00021	-.00404	-.01405	-.00201	-.00104	.01098	.00198	.04191

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.522	-.09245	.02177	.23205	.17664	-.00268	.01204	243.72516	-6.12173	-.41934
4.500	-5.442	-.08772	.02030	.22291	.14897	-.00290	.01102	243.65283	-6.11826	-.33368
4.500	-3.419	-.08187	.01965	.21208	.12048	-.00290	.00867	243.65283	-6.11438	-.24971
4.500	-1.397	-.07705	.01974	.20195	.09528	-.00513	.00632	243.65283	-6.11047	-.17175
4.500	.645	-.07299	.02081	.19292	.07196	-.00647	.00646	243.65283	-6.10686	-.09527
4.500	2.685	-.06796	.02246	.18508	.04738	-.00758	.00485	243.65283	-6.10444	-.01905
4.500	4.711	-.06121	.02214	.17482	.01856	-.00870	.00323	243.65283	-6.10142	.05806
	GRADIENT	.00248	.00038	-.00449	-.01237	-.00069	-.00061	.00000	.00157	.03777

LARC UPWT 1177(IA94B) OTSAT130 (SJW033) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.477	-.08173	.02118	.19757	.22832	.01750	.01309	434.68496	-4.15205	-.55158
2.500	-6.373	-.07682	.02008	.18696	.17850	.00479	.00873	434.71056	-4.14440	-.41916
2.500	-4.292	-.07147	.01956	.17475	.13642	-.00663	.00560	434.78738	-4.13531	-.30146
2.500	-2.208	-.07006	.02018	.16986	.09751	-.01751	.00329	434.65935	-4.13097	-.19115
2.500	-.122	-.07000	.02021	.16664	.06687	-.02938	.00239	434.76177	-4.12729	-.09630
2.500	1.954	-.07105	.02112	.16705	.03547	-.03649	-.00024	434.91541	-4.12666	-.00057
2.500	4.028	-.06940	.02087	.16137	-.00412	-.03513	-.00509	434.76177	-4.12147	.10289
	GRADIENT	.00015	.00017	-.00142	-.01649	-.00365	-.00120	.00985	.00154	.04804

RUN NO. 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.404	-.07428	.01860	.17789	.19492	.01025	.01292	324.10207	-4.10158	-.46838
3.500	-6.363	-.07157	.01716	.17103	.16316	.00556	.01126	324.03462	-4.09747	-.37620
3.500	-4.305	-.06773	.01636	.16292	.12942	.00209	.00972	324.10207	-4.09320	-.28222
3.500	-2.248	-.06302	.01601	.15340	.10104	-.00302	.00784	324.15829	-4.08845	-.19548
3.500	-.204	-.05944	.01637	.14642	.07648	-.00721	.00607	324.02338	-4.08504	-.11426
3.500	1.853	-.05495	.01663	.13942	.05061	-.01224	.00431	324.11332	-4.08221	-.03322
3.500	3.894	-.05043	.01674	.13386	.01639	-.01509	.00221	324.11332	-4.08068	.05523
	GRADIENT	.00208	.00007	-.00352	-.01349	-.00213	-.00090	-.00109	.00153	.04084

RUN NO. 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.515	-.05825	.01343	.14843	.17489	-.00201	.01160	243.65283	-4.06593	-.41413
4.500	-5.463	-.05554	.01244	.14281	.15027	-.00268	.01057	243.79748	-4.06371	-.33378
4.500	-3.424	-.05257	.01221	.13671	.12434	-.00312	.00881	243.79748	-4.06133	-.25357
4.500	-1.406	-.04828	.01208	.12882	.09805	-.00513	.00719	243.72516	-4.05860	-.17421
4.500	.649	-.04582	.01259	.12305	.07622	-.00535	.00573	243.65283	-4.05622	-.10011
4.500	2.676	-.04013	.01340	.11526	.05158	-.00691	.00485	243.72516	-4.05425	-.02421
4.500	4.713	-.03537	.01393	.10867	.02364	-.00825	.00352	243.79748	-4.05255	.05292
	GRADIENT	.00209	.00023	-.00342	-.01218	-.00059	-.00063	-.00000	.00108	.03748

LARC UPWT 1177(IA94B) OTSAT130 (SJW034) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 65/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.468	-.00226	.00043	.00758	.22302	.03103	.01179	433.89118	-.00675	-.54921
2.500	-6.380	-.00181	.00050	.00582	.17763	.02013	.00775	433.81436	-.00506	-.42632
2.500	-4.290	-.00097	.00046	.00351	.13055	.00882	.00346	434.42890	-.00314	-.29628
2.500	-2.195	.00112	.00001	-.00106	.09429	.00013	.00058	434.63374	.00007	-.18900
2.500	-.107	.00059	-.00013	-.00023	.06591	-.00800	-.00111	434.63374	-.00047	-.09328
2.500	1.947	-.00001	-.00035	.00029	.03647	-.01676	-.00310	434.60814	-.00039	-.00091
2.500	4.032	-.00009	-.00060	-.00031	-.00017	-.02126	-.00780	434.60814	.00047	.09822
	GRADIENT	.00003	-.00012	-.00030	-.01536	-.00371	-.00126	.01607	.00033	.04701

RUN NO. 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.398	-.00171	.00128	.00591	.19015	.00835	.00873	323.94468	-.02288	-.46255
3.500	-6.360	-.00196	.00111	.00580	.16263	.00487	.00795	324.00089	-.02253	-.37567
3.500	-4.318	-.00147	.00092	.00449	.13103	.00278	.00630	323.96716	-.02172	-.28489
3.500	-2.258	-.00168	.00075	.00418	.10328	-.00235	.00464	323.88846	-.02136	-.19892
3.500	-.195	-.00126	.00052	.00355	.07816	-.00738	.00409	324.05710	-.02123	-.11692
3.500	1.844	-.00171	.00053	.00368	.05435	-.01090	.00276	324.12456	-.02093	-.03923
3.500	3.889	-.00148	.00043	.00401	.02352	-.01208	.00122	323.92219	-.02134	.04622
	GRADIENT	-.00000	-.00006	-.00007	-.01287	-.00187	-.00059	.00716	.00006	.04006

RUN NO. 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.502	.00121	.00032	.00126	.17092	-.00022	.00837	243.72516	-.00157	-.40831
4.500	-5.443	.00153	-.00017	.00106	.14663	-.00067	.00778	243.72516	-.00156	-.32847
4.500	-3.426	.00157	-.00036	.00024	.12322	-.00089	.00631	243.72516	-.00102	-.25236
4.500	-1.395	.00103	-.00050	.00022	.09909	-.00379	.00485	243.72516	-.00079	-.17529
4.500	.648	.00117	-.00030	.00035	.07434	-.00758	.00411	243.72516	-.00104	-.09830
4.500	2.701	.00058	-.00051	.00099	.05207	-.00713	.00352	243.79748	-.00106	-.02509
4.500	4.732	.00020	-.00071	.00123	.02595	-.00602	.00264	243.72516	-.00094	.04955
	GRADIENT	-.00016	-.00003	.00013	-.01183	-.00067	-.00042	.00356	-.00001	.03694

LARC UPWT 117/(IA94B) OTSAT130 (SJW035) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 68/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.472	.07800	-.01947	-.18590	.22842	.04355	.01317	434.65935	4.13368	-.56184
2.500	-6.412	.07638	-.01899	-.18222	.18058	.03602	.00922	434.78738	4.13104	-.43431
2.500	-4.292	.07376	-.01877	-.17642	.13765	.02772	.00543	434.94102	4.12688	-.31367
2.500	-2.205	.07293	-.01978	-.17308	.09793	.01904	.00041	435.01783	4.12368	-.20027
2.500	-.128	.07339	-.02055	-.17198	.06529	.00998	-.00485	434.71056	4.12170	-.09999
2.500	1.945	.07213	-.02135	-.16895	.03545	.00052	-.00811	434.86420	4.11950	-.00473
2.500	4.018	.07180	-.02197	-.16745	-.00258	-.00388	-.01098	434.73617	4.11805	.09708
	GRADIENT	-.00023	-.00038	.00106	-.01651	-.00393	-.00199	-.02712	-.00105	.04997

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.399	.06907	-.01625	-.16201	.19270	.01216	.00618	324.16953	4.10230	-.46624
3.500	-6.367	.06647	-.01492	-.15700	.16081	.00678	.00497	324.12456	4.09988	-.37436
3.500	-4.328	.06283	-.01426	-.15033	.12957	.00313	.00464	324.18077	4.09677	-.28390
3.500	-2.261	.05875	-.01440	-.14307	.10182	.00070	.00364	324.14704	4.09334	-.19858
3.500	-.194	.05480	-.01511	-.13650	.07635	-.00285	.00287	324.20326	4.09045	-.11451
3.500	1.866	.05113	-.01592	-.13168	.05241	-.00704	.00155	324.04586	4.08901	-.03605
3.500	3.894	.04731	-.01616	-.12710	.01946	-.01140	.00011	324.14704	4.08796	.05015
	GRADIENT	-.00188	-.00026	.00281	-.01310	-.00179	-.00054	-.00822	-.00107	.04038

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.500	.06121	-.01347	-.14749	.17414	-.00223	.00675	243.72516	4.07445	-.41370
4.500	-5.479	.05973	-.01328	-.14399	.14850	-.00424	.00661	243.72516	4.07303	-.33236
4.500	-3.454	.05585	-.01289	-.13739	.12204	-.00513	.00558	243.72516	4.07086	-.25120
4.500	-1.393	.05231	-.01310	-.13155	.09717	-.00491	.00455	243.72516	4.06890	-.17278
4.500	.641	.04938	-.01453	-.12714	.07626	-.00535	.00396	243.79748	4.06758	-.10000
4.500	2.689	.04328	-.01531	-.11975	.05289	-.00669	.00308	243.79748	4.06623	-.02569
4.500	4.724	.03953	-.01571	-.11480	.02541	-.00691	.00294	243.79748	4.06514	.05025
	GRADIENT	-.00204	-.00038	.00279	-.01162	-.00026	-.00033	.01061	-.00069	.03670

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (SJW036) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 69/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.496	.11975	-.03189	-.28447	.23057	.05131	.01449	434.78738	6.23014	-.56807
2.500	-6.395	.11613	-.03064	-.27752	18309	.04377	.01094	434.99223	6.22572	-.44151
2.500	-4.295	.11213	-.03009	-.26908	.14086	.03573	.00724	435.09465	6.21983	-.32214
2.500	-2.203	.11110	-.03127	-.26401	.10065	.02629	.00280	434.96662	6.21466	-.20694
2.500	-.123	.11122	-.03215	-.26120	.06597	.01865	-.00183	435.04344	6.21111	-.10260
2.500	1.959	.11104	-.03292	-.25908	.03195	.00893	-.00811	435.06904	6.20883	-.00244
2.500	4.027	.10822	-.03314	-.25387	-.00748	.00479	-.01058	434.83859	6.20546	.10003
	GRADIENT	-.00038	-.00037	.00170	-.01756	-.00381	-.00224	-.01967	-.00166	.05041

RUN NO. 74/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.407	.10744	-.02641	-.25170	.19526	.01564	.00464	324.21450	6.17418	-.47237
3.500	-6.375	.10191	-.02460	-.24197	.16457	.01182	.00397	324.16953	6.16980	-.38061
3.500	-4.319	.09609	-.02310	-.23090	.13129	.00817	.00331	324.25947	6.16446	-.28762
3.500	-2.242	.09015	-.02274	-.22089	.10165	.00573	.00243	324.24823	6.16002	-.19825
3.500	-.196	.08550	-.02377	-.21281	.07647	.00226	.00188	324.13580	6.15627	-.11588
3.500	1.854	.08194	-.02482	-.20658	.04904	-.00151	.00022	324.23698	6.15356	-.03221
3.500	3.899	.07857	-.02577	-.20155	.01501	-.00503	-.00171	324.23698	6.15173	.05500
	GRADIENT	-.00211	-.00036	.00356	-.01389	-.00164	-.00060	-.00275	-.00156	.04146

RUN NO. 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.530	.09559	-.02220	-.22996	.17770	.00185	.00661	243.79748	6.11239	-.41785
4.500	-5.456	.08967	-.02124	-.22030	.15198	-.00134	.00631	243.72516	6.10938	-.33685
4.500	-3.451	.08478	-.02064	-.21214	.12574	-.00223	.00558	243.72516	6.10676	-.25778
4.500	-1.385	.08041	-.02107	-.20407	.09908	-.00223	.00455	243.79748	6.10381	-.17591
4.500	-.489	.07866	-.02187	-.20099	.08882	-.00245	.00440	243.72516	6.10266	-.14258
4.500	.637	.07631	-.02280	-.19650	.07572	-.00290	.00411	243.72516	6.10100	-.09998
4.500	2.678	.07165	-.02399	-.18940	.05085	-.00357	.00293	243.86980	6.09906	-.02404
	GRADIENT	-.00213	-.00058	.00371	-.01215	-.00023	-.00041	.01797	-.00127	.03808

LARC UPWT 1177(IA94B) OTSAT130 (SJW037) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/N	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.673	-.11317	.02942	.27102	.18384	.00226	-.00320	323.96716	-6.17413	-.45534
3.500	-6.623	-.10864	.02798	.26056	.15333	-.00218	-.00427	323.93343	-6.16822	-.36405
3.500	-4.572	-.10375	.02658	.25016	.11935	-.00503	-.00491	323.84349	-6.16267	-.27020
3.500	-2.521	-.09723	.02574	.23735	.09094	-.00855	-.00630	324.05710	-6.15645	-.18310
3.500	-.467	-.09153	.02611	.22674	.06492	-.01057	-.00779	324.05710	-6.15147	-.09868
3.500	1.591	-.08900	.02702	.22093	.03670	-.01611	-.00950	323.93343	-6.14812	-.01346
3.500	3.628	-.08656	.02787	.21678	.00362	-.02047	-.01217	323.97840	-6.14626	.07236
	GRADIENT	.00208	.00019	-.00406	-.01393	-.00187	-.00086	.00712	.00201	.04167

RUN NO. 86/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.771	-.09526	.02312	.23750	.16421	-.00335	-.00099	243.56957	-6.10490	-.39996
4.500	-5.751	-.09024	.02163	.22816	.13903	-.00357	-.00170	243.71422	-6.10155	-.31960
4.500	-3.700	-.08439	.02086	.21692	.11117	-.00335	-.00298	243.56957	-6.09733	-.23561
4.500	-1.654	-.07979	.02116	.20726	.08424	-.00535	-.00426	243.64189	-6.09363	-.15388
4.500	.386	-.07539	.02210	.19771	.06185	-.00714	-.00454	243.64189	-6.08987	-.07922
4.500	2.419	-.07023	.02362	.18937	.03833	-.00803	-.00625	243.56957	-6.08717	-.00478
4.500	4.454	-.06397	.02349	.18019	.00879	-.00982	-.00865	243.56957	-6.08459	.07415
	GRADIENT	.00247	.00038	-.00448	-.01230	-.00077	-.00065	-.00353	.00157	.03771

LARC UPWT 1177(IA94B) OTSAT130 (SJW038) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.670	-.07547	.01937	.17998	.18482	.01026	-.00150	323.91095	-4.10247	-.45388
3.500	-6.610	-.07304	.01801	.17341	.15437	.00556	-.00267	324.02338	-4.09845	-.36269
3.500	-4.560	-.06916	.01717	.16488	.12069	.00191	-.00363	324.068	-4.09384	-.26875
3.500	-2.516	-.06433	.01683	.15543	.09292	-.00369	-.00512	324.02338	-4.08921	-.18344
3.500	-.463	-.06086	.01711	.14836	.06757	-.00772	-.00651	324.04586	-4.08568	-.10080
3.500	1.588	-.05657	.01748	.14180	.04166	-.01208	-.00811	324.04586	-4.08307	-.01978
3.500	3.631	-.05213	.01768	.13658	.00795	-.01492	-.01067	324.18077	-4.08181	.06724
	GRADIENT	.00204	.00008	-.00343	-.01351	-.00205	-.00083	.01207	.00147	.04079

RUN NO. 87/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.773	-.05992	.01423	.15162	.16466	-.00268	-.00014	243.64189	-4.06710	-.39807
4.500	-5.739	-.05736	.01333	.14612	.13975	-.00312	-.00014	243.56957	-4.06482	-.31808
4.500	-3.714	-.05403	.01306	.13944	.11383	-.00357	-.00099	243.64189	-4.06228	-.23768
4.500	-1.669	-.04962	.01293	.13152	.08907	-.00535	-.00213	243.64189	-4.05961	-.15995
4.500	.382	-.04750	.01339	.12628	.06727	-.00558	-.00298	243.56957	-4.05739	-.08588
4.500	2.409	-.04159	.01416	.11802	.04262	-.00737	-.00483	243.49725	-4.05520	-.00994
4.500	4.441	-.03681	.01477	.11138	.01431	-.00892	-.00667	243.64189	-4.05350	.06722
	GRADIENT	.00208	.00023	-.00341	-.01204	-.00062	-.00069	-.00712	.00108	.03727

LARC UPWT 1177(IA94B) OTSAT130 (SJW039) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.671	-.00416	.00184	.01073	.18136	.00835	-.00246	323.86598	-.00638	-.44946
3.500	-6.614	-.00459	.00165	.01102	.15333	.00504	-.00299	323.96716	-.00625	-.36113
3.500	-4.568	-.00385	.00136	.00932	.12263	.00313	-.00406	323.87722	-.00529	-.27176
3.500	-2.518	-.00354	.00112	.00821	.09520	-.00252	-.00534	323.91095	-.00463	-.18706
3.500	-.462	-.00352	.00111	.00796	.07059	-.00772	-.00587	323.92219	-.00452	-.10506
3.500	1.106	-.00417	.00135	.00877	.05170	-.00990	-.00705	323.83225	-.00468	-.04435
3.500	1.583	-.00440	.00139	.00888	.04521	-.01091	-.00726	323.94468	-.00459	-.02462
3.500	3.625	-.00399	.00125	.00881	.01508	-.01241	-.00940	323.95592	-.00478	.05949
	GRADIENT	-.00005	.00001	-.00001	-.01287	-.00195	-.00061	.00621	.00005	.04021

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.771	-.00027	.00095	.00447	.15738	-.00112	-.00057	243.64189	.01643	-.38897
4.500	-5.703	-.00014	.00054	.00426	.13525	-.00089	-.00043	243.49725	.01656	-.31088
4.500	-3.714	-.00020	.00026	.00344	.11070	-.00134	-.00057	243.49725	.01716	-.23296
4.500	-1.664	-.00030	.00000	.00289	.08714	-.00446	-.00142	243.49725	.01749	-.15770
4.500	.380	-.00051	.00024	.00355	.06389	-.00826	-.00213	243.42492	.01708	-.08243
4.500	2.420	-.00084	-.00002	.00365	.04134	-.00804	-.00363	243.49725	.01728	-.00915
4.500	4.459	-.00141	-.00014	.00386	.01522	-.00692	-.00525	243.64189	.01752	.06555
	GRADIENT	-.00014	-.00004	.00008	-.01159	-.00072	-.00057	.01414	.00002	.03649

LARC UPWT 1177(IA94B) OTSAT130 (SJW040) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 83/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.670	.06841	-.01619	-.16123	.18419	.01216	-.00352	324.15929	4.08301	-.45432
3.500	-6.610	.06591	-.01509	-.15661	.15221	.00678	-.00363	324.12456	4.08087	-.36095
3.500	-4.566	.06230	-.01438	-.15001	.12072	.00330	-.00320	324.04586	4.07776	-.27066
3.500	-2.519	.05839	-.01455	-.14311	.09298	.00052	-.00384	324.09083	4.07454	-.18524
3.500	-.462	.05443	-.01525	-.13652	.06812	-.00302	-.00480	324.20326	4.07165	-.10252
3.500	1.582	.05071	-.01596	-.13124	.04314	-.00671	-.00640	324.16953	4.06987	-.02275
3.500	3.629	.04682	-.01620	-.12669	.01027	-.01140	-.00918	324.19201	4.06889	.06344
	GRADIENT	-.00189	-.00025	.00286	-.01321	-.00179	-.00071	.01812	-.00109	.04054

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.752	.05912	-.01297	-.14382	.16422	-.00268	-.00043	243.64189	4.07319	-.39787
4.500	-5.718	.05713	-.01258	-.13987	.13987	-.00491	-.00028	243.56957	4.05263	-.31829
4.500	-3.693	.05376	-.01231	-.13373	.11294	-.00513	-.00043	243.64189	4.05050	-.23717
4.500	-1.655	.05033	-.01261	-.12792	.08914	-.00513	-.00128	243.56957	4.04848	-.16063
4.500	.385	.04693	-.01386	-.12251	.06943	-.00558	-.00156	243.49725	4.04672	-.08963
4.500	2.422	.04169	-.01480	-.11611	.04461	-.00736	-.00298	243.56957	4.04556	-.01346
4.500	4.440	.03792	-.01529	-.11112	.01731	-.00781	-.00327	243.64189	4.04447	.06251
	GRADIENT	-.00198	-.00040	.00280	-.01159	-.00037	-.00036	-.00003	-.00074	.03670

LARC UPWT 117/(IA94B) OTSAT130 (SJW041) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.693	.10531	-.02620	-.24724	.18591	.01564	-.00363	324.25947	6.17186	-.45934
3.500	-6.615	.10014	-.02450	-.23798	.15484	.01165	-.00374	324.10207	6.16757	-.36622
3.500	-4.575	.09458	-.02311	-.22811	.12200	.00817	-.00416	324.22574	6.16313	-.27458
3.500	-2.531	.08859	-.02265	-.21768	.09245	.00521	-.00459	324.23698	6.15835	-.18665
3.500	-.468	.08434	-.02390	-.20998	.06835	.00174	-.00523	324.11332	6.15462	-.10417
3.500	1.594	.08054	-.02476	-.20371	.04022	-.00201	-.00832	324.30444	6.15210	-.01906
3.500	3.617	.07687	-.02549	-.19833	.00599	-.00536	-.01184	324.25947	6.15018	.06814
	GRADIENT	-.00212	-.00034	.00359	-.01386	-.00167	-.00093	.00658	-.00157	.04159

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.758	.09256	-.02165	-.22383	.16894	.00139	-.00043	243.49725	6.12882	-.40437
4.500	-5.719	.08732	-.02075	-.21500	.14183	-.00156	-.00057	243.64189	6.12605	-.32121
4.500	-3.690	.08184	-.01997	-.20579	.11586	-.00223	-.00043	243.64189	6.12307	-.24211
4.500	-1.659	.07774	-.02046	-.19831	.08980	-.00245	-.00114	243.64189	6.12033	-.16213
4.500	.383	.07345	-.02228	-.19075	.06707	-.00335	-.00142	243.56957	6.11764	-.08606
4.500	2.417	.06910	-.02330	-.18369	.04261	-.00402	-.00327	243.64189	6.11552	-.01193
4.500	4.438	.06265	-.02365	-.17570	.01395	-.00491	-.00457	243.56957	6.11394	.06560
	GRADIENT	-.00231	-.00050	.00368	-.01234	-.00034	-.00051	-.00711	-.00113	.03766

LARC UPWT 1177(IA94B) OTSAT130 (SJW042) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 91/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.758	-.12032	.03363	.29201	.21383	.01387	-.00510	434.42890	-6.11294	-.53298
2.500	-6.641	-.11383	.03201	.27930	.16477	.00026	-.00788	434.55693	-6.10447	-.40574
2.500	-4.560	-.10939	.03140	.26873	.12538	-.01026	-.01019	434.35208	-6.09629	-.29461
2.500	-2.490	-.10690	.03162	.25968	.08666	-.02153	-.01211	434.17284	-6.08803	-.17946
2.500	-.387	-.10772	.03211	.25640	.05375	-.03442	-.01259	434.24966	-6.08339	-.07690
2.500	1.686	-.10898	.03252	.25434	.02172	-.04230	-.01505	434.24966	-6.07955	.01564
2.500	3.767	-.10756	.03273	.24991	-.02159	-.03906	-.02231	434.12163	-6.07560	.12424
	GRADIENT	.00008	.00017	-.00206	-.01723	-.00376	-.00130	-.01841	.00239	.04958

LARC UPWT 1177(IA94B) OTSAT130 (SJW043) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 92/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.740	-.08324	.02153	.19988	.21664	.01830	-.00311	434.14723	-4.15308	-.53533
2.500	-6.650	-.07786	.02040	.18949	.16844	.00571	-.00621	434.37769	-4.14623	-.41122
2.500	-4.549	-.07183	.02000	.17631	.12563	-.00601	-.00853	433.94239	-4.13654	-.28939
2.500	-2.473	-.07047	.02069	.17212	.08875	-.01702	-.01019	434.35208	-4.13315	-.18276
2.500	-.380	-.07062	.02066	.16836	.05710	-.02929	-.01059	434.24966	-4.12856	-.08138
2.500	1.686	-.07104	.02135	.16643	.02639	-.03668	-.01347	434.09602	-4.12570	.01147
2.500	3.766	-.07050	.02141	.16402	-.01360	-.03543	-.02056	434.09602	-4.12331	.11482
	GRADIENT	.00010	.00017	-.00146	-.01639	-.00378	-.00131	.00248	.00163	.04823

LARC UPWT 1177(IA94B) OTSAT130 (SJW044) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.754	-.00280	.00077	.00876	.21391	.03229	-.00390	434.42890	-.00761	-.53669
2.500	-6.654	-.00220	.00069	.00641	.16416	.02153	-.00677	434.24966	-.00537	-.40808
2.500	-4.552	-.00070	.00069	.00256	.12177	.01036	-.00970	435.01783	-.00229	-.28829
2.500	-2.479	.00073	.00026	.00015	.08680	.00116	-.01176	435.24829	-.00097	-.18114
2.500	-.388	-.00004	.00010	.00127	.05927	-.00749	-.01311	435.45313	-.00161	-.08540
2.500	1.700	-.00056	-.00011	.00087	.02893	-.01687	-.01607	434.91541	-.00051	.01008
2.500	3.191	-.00140	-.00014	.00229	.00294	-.02100	-.02140	434.88980	-.00131	.08090
	GRADIENT	-.00013	-.00010	-.00000	-.01501	-.00412	-.00138	-.02841	.00013	.04729

LARC UPWT 1177(IA94B) OTSAT130 (SJW045) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 93/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.748	.07710	-.01910	-.18300	.21667	.04397	-.00151	434.30087	4.15012	-.54441
2.500	-6.637	.07377	-.01829	-.17705	.16861	.03632	-.00446	434.32647	4.14651	-.42026
2.500	-4.569	.07236	-.01845	-.17377	.12738	.02816	-.00741	434.12163	4.14401	-.30169
2.500	-2.479	.07103	-.01940	-.16921	.08884	.01933	-.01203	434.22405	4.13988	-.18903
2.500	-.394	.07136	-.02015	-.16759	.05726	.00960	-.01696	434.42890	4.13756	-.08833
2.500	1.688	.07062	-.02098	-.16535	.02693	-.00038	-.02096	434.04481	4.13560	.00699
2.500	3.759	.07007	-.02139	-.16358	-.01195	-.00476	-.02631	433.83996	4.13407	.11003
	GRADIENT	-.00024	-.00036	.00116	-.01636	-.00411	-.00224	-.03559	-.00116	.04896

LARC UPWT 1177(IA94B) OTSAT130 (SJW046) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 94/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/N	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.760	.11921	-.03163	-.28272	.22004	.05164	-.00096	434.19845	6.22831	-.55290
2.500	-6.638	.11481	-.03029	-.27639	.17230	.04399	-.00335	434.07042	6.22530	-.42866
2.500	-4.567	.11062	-.03001	-.26635	.12936	.03581	-.00590	434.19845	6.21770	-.30719
2.500	-2.498	.11012	-.03119	-.26240	.09157	.02621	-.00964	434.17284	6.21339	-.19563
2.500	-.399	.10984	-.03212	-.25896	.05861	.01855	-.01394	434.32647	6.20953	-.09307
2.500	1.694	.10986	-.03269	-.25643	.02436	.00856	-.02134	434.45450	6.20661	.00833
2.500	3.763	.10761	-.03322	-.25244	-.01840	.00389	-.02565	434.14723	6.20409	.11603
	GRADIENT	-.00030	-.00038	.00162	-.01739	-.00391	-.00246	.00868	-.00163	.05037

LARC UPWT 1177(IA94B) OTSAT130 (SJW047) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.736	-.11999	.03286	.29116	.22430	.01434	.02642	436.14449	-6.13196	-.54590
2.500	-6.637	-.11409	.03119	.27942	.17474	.00039	.02176	435.78601	-6.12375	-.41656
2.500	-4.549	-.10873	.03046	.26686	.13340	-.01037	.01785	435.04344	-6.11387	-.29747
2.500	-2.467	-.10687	.03097	.25858	.09616	-.02112	.01431	434.99223	-6.10593	-.18770
2.500	-.379	-.10652	.03111	.25349	.06297	-.03347	.01225	435.17147	-6.10036	-.08535
2.500	1.698	-.10839	.03152	.25302	.03029	-.04097	.00938	435.06904	-6.09774	.00895
2.500	3.774	-.10688	.03176	.24923	-.01109	-.03699	.00444	434.94102	-6.09465	.11427
	GRADIENT	.00010	.00015	-.00196	-.01705	-.00351	-.00153	-.00612	.00224	.04902

LARC UPWT 1177(IA94B) OTSAT130 (SJW048) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.765	-.08295	.02104	.19886	.22953	.01878	.02747	435.04344	-4.15246	-.55002
2.500	-6.647	-.07774	.01989	.18906	.17860	.00582	.02186	435.45313	-4.14620	-.41764
2.500	-4.552	-.07184	.01946	.17759	.13849	-.00562	.01833	435.40192	-4.13853	-.30334
2.500	-2.479	-.07006	.01985	.17130	.10083	-.01624	.01505	435.01783	-4.13280	-.19519
2.500	-.382	-.06998	.01990	.16721	.06795	-.02841	.01310	434.24966	-4.12785	-.09202
2.500	1.688	-.07027	.01993	.16548	.04162	-.03703	.00914	434.42890	-4.12545	-.00864
2.500	3.747	-.07009	.02082	.16373	-.00108	-.03417	.00453	434.22405	-4.12343	.10103
	GRADIENT	.00016	.00013	-.00162	-.01629	-.00375	-.00161	-.14199	.00181	.04793

LARC UPWT 1177(IA94B) OTSAT130 (SJW049) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 95/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.774	-.00177	.00050	.00762	.22507	.03297	.02507	433.94239	-.00731	-.55111
2.500	-6.621	-.00076	.00033	.00343	.17466	.02165	.01927	434.53132	-.00328	-.41928
2.500	-4.569	.00031	.00024	.00206	.13257	.01091	.01387	433.58390	-.00273	-.30209
2.500	-2.472	.00134	.00002	-.00008	.09427	.00117	.00964	434.12163	-.00132	-.18720
2.500	-.376	.00190	-.00058	-.00258	.06630	-.00701	.00717	434.37769	.00100	-.09212
2.500	1.684	.00123	-.00070	-.00206	.03647	-.01560	.00419	435.60677	.00114	.00246
2.500	3.768	.00077	-.00098	-.00146	.00037	-.01999	-.00103	435.06904	.00094	.09924
	GRADIENT	.00004	-.00015	-.00043	-.01547	-.00377	-.00169	.21380	.00047	.04764

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LARC UPWT 1177(IA94B) OTSAT130 (SJW050) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.752	.07894	-.02004	-.18667	.23023	.04475	.02654	436.83585	4.13434	-.55875
2.500	-6.662	.07656	-.01944	-.18337	.18269	.03718	.02091	436.37494	4.13277	-.43676
2.500	-4.558	.07422	-.01939	-.17788	.13950	.02896	.01577	435.73480	4.12841	-.31291
2.500	-2.491	.07379	-.02050	-.17470	.10246	.02019	.00986	435.35071	4.12483	-.20395
2.500	-.391	.07404	-.02123	-.17364	.06947	.01114	.00337	434.99223	4.12309	-.10050
2.500	1.695	.07347	-.02207	-.17127	.03867	.00142	-.00103	434.88980	4.12089	-.00430
2.500	3.758	.07315	-.02258	-.17002	.00102	-.00237	-.00437	434.91541	4.11979	.09647
	GRADIENT	-.00012	-.00038	.00092	-.01637	-.00391	-.00246	-.10092	-.00102	.04892

LARC UPWT 1177(IA94B) OTSAT130 (SJW051) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.765	.12119	-.03302	-.28699	.23779	.05154	.02740	434.96662	6.23175	-.57675
2.500	-6.677	.11670	-.03120	-.27983	.18563	.04479	.02270	435.17147	6.22799	-.44317
2.500	-4.552	.11301	-.03077	-.27210	.14260	.03664	.01703	435.09465	6.22253	-.32080
2.500	-2.492	.11249	-.03252	-.26763	.10819	.02668	.01111	434.91541	6.21754	-.21799
2.500	-.393	.11106	-.03249	-.26123	.07115	.01994	.00625	434.99223	6.21128	-.10639
2.500	1.682	.11136	-.03316	-.25929	.03809	.01023	-.00072	435.14586	6.20879	-.00823
2.500	3.752	.10993	-.03396	-.25721	-.00473	.00608	-.00374	435.17147	6.20785	.10036
	GRADIENT	-.00035	-.00034	.00183	-.01755	-.00373	-.00257	.01852	-.00183	.05063

LARC UPWT 1177(IA94B) OTSAT130 (SJW052) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 101/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.735	-.12332	.03428	.29690	.21004	-.07834	.02509	435.01783	-6.22880	-.52778
2.500	-6.642	-.11749	.03302	.28493	.16356	-.08498	.02032	434.88980	-6.22038	-.40494
2.500	-4.541	-.11261	.03237	.27435	.12182	-.09112	.01621	434.83859	-6.21272	-.28646
2.500	-2.463	-.11065	.03295	.26608	.08355	-.09850	.01292	434.81299	-6.20491	-.17345
2.500	-.381	-.11119	.03322	.26162	.05094	-.10787	.01095	434.81299	-6.19909	-.07317
2.500	1.690	-.11302	.03355	.26080	.01733	-.11325	.00790	434.78738	-6.19613	.02327
2.500	3.767	-.11116	.03378	.25588	-.02425	-.10807	.00321	434.50572	-6.19199	.12880
	GRADIENT	.00003	.00016	-.00203	-.01725	-.00234	-.00149	-.03328	.00242	.04946

LARC UPWT 1177(IA94B) OTSAT130 (SJW053) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 102/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.729	-.08280	.02177	.19807	.21528	-.06964	.02568	434.71056	-4.15155	-.53263
2.500	-6.639	-.07764	.02079	.18853	.16735	-.07581	.02026	434.42890	-4.14533	-.40805
2.500	-4.552	-.07221	.02047	.17724	.12591	-.08255	.01672	434.55693	-4.13745	-.28911
2.500	-2.463	-.07145	.02117	.17192	.08711	-.09043	.01318	434.55693	-4.13196	-.17744
2.500	-.382	-.07034	.02085	.16605	.05575	-.09681	.01112	434.53132	-4.12617	-.08035
2.500	1.694	-.07141	.02157	.16588	.02344	-.10343	.00766	434.58253	-4.12480	.01754
2.500	3.756	-.07136	.02191	.16443	-.01400	-.09923	.00321	434.35208	-4.12298	.11569
	GRADIENT	.00008	.00016	-.00153	-.01654	-.00223	-.00157	-.01845	.00174	.04836

LARC UPWT 1177(1A94B) OTSAT130 (SJW054) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 100/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.738	-.09271	.00083	.00843	.21030	-.04844	.02392	435.29950	-.00733	-.53082
2.500	-6.642	-.00207	.00082	.00577	.16333	-.05332	.01809	435.24829	-.00475	-.40518
2.500	-4.540	-.00092	.00074	.00315	.12024	-.05831	.01266	435.24829	-.00278	-.28638
2.500	-2.457	.00030	.00045	.00073	.08233	-.06261	.00839	434.91541	-.00121	-.17331
2.500	-.386	.00040	.00012	.00006	.05259	-.06599	.00568	434.88980	-.00062	-.07666
2.500	1.691	.00055	-.00030	-.00154	.02250	-.07180	.00272	434.48011	.00122	.01793
2.500	3.764	-.00082	-.00025	.00055	-.01294	-.07434	-.00175	434.30087	.00019	.11605
	GRADIENT	.00002	-.00013	-.00036	-.01572	-.00199	-.00166	-.11228	.00010	.04799

LARC UPWT 1177(1A94B) OTSAT130 (SJW055) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 103/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.741	.07824	-.01957	-.18586	.21559	-.02492	.02556	433.96799	4.13315	-.54401
2.500	-6.650	.07507	-.01875	-.17989	.16723	-.02868	.01987	433.94239	4.12935	-.41656
2.500	-4.557	.07374	-.01910	-.17665	.12483	-.03253	.01491	434.35208	4.12699	-.29539
2.500	-2.471	.07271	-.02003	-.17288	.08699	-.03606	.00940	434.01920	4.12337	-.18615
2.500	-.390	.07266	-.02050	-.16981	.05633	-.04132	.00297	434.04481	4.11966	-.08754
2.500	1.683	.07205	-.02123	-.16809	.02341	-.04672	-.00167	433.91678	4.11826	.01089
2.500	3.760	.07199	-.02211	-.16726	-.01404	-.04667	-.00502	434.35208	4.11752	.11175
	GRADIENT	-.00020	-.00035	.00113	-.01642	-.00187	-.00245	-.00498	-.00116	.04865

LARC UPWT 1177(IA94B) OTSAT130 (SJW056) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 104/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.743	.11936	-.03178	-.28318	.21903	-.01565	.02729	433.96799	6.22859	-.55140
2.500	-6.651	.11497	-.03056	-.27577	.17121	-.01753	.02193	434.01920	6.22436	-.42595
2.500	-4.570	.11163	-.03042	-.26819	.12891	-.02041	.01673	434.09602	6.21880	-.30639
2.500	-2.479	.11048	-.03145	-.26308	.09046	-.02467	.01138	434.04481	6.21376	-.19386
2.500	-.398	.10998	-.03213	-.25855	.05661	-.02868	.00569	433.96799	6.20873	-.09146
2.500	1.679	.10992	-.03280	-.25644	.02244	-.03557	-.00136	433.94239	6.20633	.00898
2.500	3.761	.10825	-.03343	-.25312	-.01939	-.03657	-.00454	433.96799	6.20416	.11577
	GRADIENT	-.00035	-.00035	.00177	-.01751	-.00208	-.00266	-.01722	-.00176	.05030

LARC UPWT 1177(IA94B) OTSAT130 (SJW057) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 106/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.731	-.12293	.03423	.29756	.20567	-.07611	.00964	434.14723	-6.22954	-.52511
2.500	-6.640	-.11724	.03305	.28517	.15941	-.08263	.00610	434.12163	-6.22053	-.40181
2.500	-4.535	-.11248	.03257	.27376	.11624	-.08907	.00264	433.86557	-6.21167	-.27888
2.500	-2.460	-.11025	.03285	.26453	.07771	-.09671	-.00016	433.86557	-6.20303	-.16785
2.500	-.388	-.11075	.03329	.26108	.04708	-.10590	-.00128	433.68633	-6.19839	-.07375
2.500	1.694	-.11277	.03374	.26055	.01298	-.11179	-.00375	433.68633	-6.19559	.02509
2.500	3.758	-.11063	.03378	.25477	-.02657	-.10712	-.00773	433.78875	-6.19089	.12666
	GRADIENT	.00006	.00016	-.00202	-.01689	-.00247	-.00117	-.01606	.00236	.04841

LARC UPWT 117/(IA94B) OTSAT130 (SJW057) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.679	-.11396	.02934	.27190	.18076	-.06938	.01214	324.29320	-6.17447	-.45404
3.500	-6.622	-.10913	.02788	.26110	.15134	-.06806	.01082	324.21456	-6.16846	-.36416
3.500	-4.559	-.10390	.02627	.24980	.11647	-.06889	.00993	324.27071	-6.16242	-.26744
3.500	-2.517	-.09763	.02555	.23754	.08855	-.07542	.00772	324.29320	-6.15641	-.18198
3.500	-.458	-.09147	.02584	.22610	.06267	-.07657	.00585	324.36065	-6.15107	-.09752
3.500	1.588	-.08910	.02684	.22113	.03511	-.08113	.00386	324.22574	-6.14833	-.01381
3.500	3.637	-.08672	.02761	.21694	.00137	-.08228	.00143	324.33817	-6.14642	.07473
	GRADIENT	.00209	.00019	-.00401	-.01384	-.00158	-.00102	.00329	.00196	.04159

RUN NO. 116/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q PSF)	BETA	CNU
4.500	-7.766	-.09400	.02226	.23475	.16414	-.04662	.01190	243.66670	-6.10382	-.40178
4.500	-5.737	-.08956	.02100	.22605	.13948	-.04349	.01072	243.66670	-6.10051	-.32150
4.500	-3.688	-.08371	.02053	.21522	.11022	-.03993	.00933	243.66670	-6.09662	-.23556
4.500	-1.648	-.07878	.02061	.20504	.08415	-.03902	.00567	243.73903	-6.09277	-.15572
4.500	.385	-.07506	.02172	.19654	.06180	-.04348	.00587	243.73903	-6.08931	-.08113
4.500	2.416	-.06955	.02311	.18764	.03870	-.04259	.00470	243.73903	-6.08647	-.00666
4.500	4.444	-.06322	.02281	.17853	.00914	-.04550	.00291	243.66670	-6.08395	.07219
	GRADIENT	.00247	.00035	-.00447	-.01218	-.00072	-.00055	.00001	.00156	.03761

LARC UPWT 1177(1A94B) OTSAT130 (SJW058) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 107/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.724	-.08178	.02185	.19712	.21014	-.06756	.01081	433.58390	-4.15108	-.53021
2.500	-6.636	-.07728	.02089	.18753	.16168	-.07377	.00651	433.94239	-4.14434	-.40144
2.500	-4.543	-.07243	.02070	.17676	.11917	-.08037	.00321	434.14723	-4.13652	-.28134
2.500	-2.461	-.07100	.02106	.17085	.08155	-.08812	.00058	434.19845	-4.13103	-.17385
2.500	-.383	-.07139	.02135	.16919	.04911	-.09650	-.00080	434.24966	-4.12876	-.07263
2.500	1.695	-.07165	.02195	.16727	.01890	-.10141	-.00327	434.12163	-4.12608	.02024
2.500	3.764	-.07088	.02183	.16363	-.01881	-.09741	-.00701	434.07042	-4.12245	.11848
	GRADIENT	.00012	.00015	-.00144	-.01630	-.00228	-.00117	-.01108	.00159	.04785

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.667	-.07556	.01908	.17984	.18307	-.04947	.01303	324.12456	-4.10234	-.45397
3.500	-6.616	-.07331	.01785	.17382	.15139	-.04999	.01138	323.97840	-4.09861	-.36038
3.500	-4.565	-.06960	.01691	.16568	.12012	-.05182	.01005	324.05710	-4.09421	-.27052
3.500	-2.518	-.06484	.01663	.15621	.09169	-.05719	.00806	324.04586	-4.08952	-.18379
3.500	-.464	-.06096	.01688	.14873	.06619	-.05919	.00618	324.12456	-4.08596	-.10112
3.500	1.584	-.05694	.01729	.14261	.04056	-.06877	.00409	324.04586	-4.08350	-.02011
3.500	3.627	-.05234	.01747	.13703	.00684	-.06859	.00221	324.06835	-4.08203	.06696
	GRADIENT	.00207	.00009	-.00346	-.01355	-.00220	-.00096	.00110	.00148	.04094

RUN NO. 117/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.760	-.05992	.01373	.15161	.16508	-.03903	.01072	243.66670	-4.06710	-.40005
4.500	-5.718	-.05734	.01299	.14607	.14192	-.03591	.00969	243.66670	-4.06482	-.32162
4.500	-3.696	-.05402	.01271	.13944	.11440	-.03390	.00837	243.66670	-4.06228	-.23962
4.500	-1.656	-.04980	.01265	.13145	.08972	-.03322	.00719	243.73903	-4.05949	-.16179
4.500	.383	-.04715	.01308	.12571	.06653	-.03301	.00632	243.66670	-4.05724	-.08598
4.500	2.416	-.04156	.01381	.11794	.04392	-.03457	.00499	243.66670	-4.05521	-.01374
4.500	4.444	-.03647	.01421	.11086	.01514	-.03524	.00367	243.66670	-4.05336	.06527
	GRADIENT	.00213	.00020	-.00347	-.01200	-.00020	-.00057	-.00355	.00109	.03724

LARC UPWT 1177(1A94B) OTSAT130 (SJW059) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 105/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.727	-.00065	.00027	.00396	.20562	-.04614	.00988	434.68496	-.02300	-.52647
2.500	-6.637	-.00044	.00042	.00249	.16067	-.05093	.00534	435.42753	-.02140	-.40406
2.500	-4.546	.00053	.00040	.00049	.11629	-.05617	.00099	435.40192	-.01999	-.28226
2.500	-2.456	.00237	-.00002	-.00377	.07852	-.06009	-.00199	435.06904	-.01687	-.17130
2.500	-.381	.00228	-.00035	-.00352	.04977	-.06384	-.00382	435.04344	-.01717	-.07682
2.500	1.689	.00175	-.00055	-.00330	.01966	-.06887	-.00581	434.81299	-.01682	.01870
2.500	3.761	.00089	-.00062	-.00243	-.01526	-.07153	-.01027	434.63374	-.01691	.11470
	GRADIENT	.00001	-.00012	-.00026	-.01551	-.00190	-.00127	-.08636	.00030	.04740

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.674	-.00241	.00150	.00709	.17760	-.03873	.00806	324.14704	-.02340	-.44799
3.500	-6.620	-.00273	.00127	.00698	.15051	-.03723	.00729	324.04586	-.02299	-.36126
3.500	-4.568	-.00275	.00115	.00645	.11973	-.03723	.00585	324.11332	-.02248	-.27181
3.500	-2.511	-.00257	.00095	.00576	.09138	-.04174	.00442	324.19201	-.02210	-.18438
3.500	-.466	-.00229	.00077	.00513	.06766	-.04526	.00397	324.22574	-.02184	-.10376
3.500	1.583	-.00317	.00086	.00605	.04304	-.04643	.00276	324.23698	-.02191	-.02483
3.500	3.630	-.00269	.00079	.00598	.01280	-.04778	.00110	324.18077	-.02217	.05923
	GRADIENT	-.00002	-.00004	-.00003	-.01280	-.00126	-.00054	.00879	.00004	.04010

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.759	.00087	.00052	.00179	.15716	-.03054	.00675	243.81135	-.02062	-.39054
4.500	-5.723	.00109	.00003	.00158	.13466	-.02787	.00646	243.73903	-.02056	-.31256
4.500	-3.685	.00094	-.00008	.00075	.11060	-.02743	.00514	243.73903	-.01989	-.23452
4.500	-1.652	.00083	-.00043	.00021	.08731	-.03054	.00411	243.81135	-.01957	-.15927
4.500	.384	.00072	-.00027	.00088	.06389	-.03278	.00367	243.73903	-.02004	-.08417
4.500	2.417	-.00005	-.00057	.00149	.04249	-.03055	.00352	243.73903	-.01993	-.01283
4.500	4.442	-.00053	-.00068	.00172	.01666	-.02765	.00279	243.73903	-.01975	.06188
	GRADIENT	-.00019	-.00007	.00016	-.01145	-.00002	-.00026	-.00356	-.00000	.03637

LARC UPWT 117/(IA94B) OTSAT130 (SJW060) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.737	.07855	-.01978	-.18603	.21612	-.02353	.01195	434.22405	4.13312	-.54009
2.500	-6.643	.07590	-.01895	-.18104	.16209	-.02701	.00798	434.71056	4.13011	-.41094
2.500	-4.546	.07383	-.01905	-.17570	.11937	-.03085	.00411	435.09465	4.12600	-.29020
2.500	-2.471	.07360	-.02017	-.17354	.08142	-.03446	-.00079	435.24829	4.12361	-.18196
2.500	-.393	.07343	-.02072	-.17122	.04922	-.03923	-.00596	435.01783	4.12083	-.08058
2.500	1.689	.07278	-.02151	-.16915	.01706	-.04473	-.00938	434.96662	4.11909	.01766
2.500	3.755	.07216	-.02200	-.16724	-.01969	-.04496	-.01240	435.14586	4.11755	.11735
	GRADIENT	-.00020	-.00035	.00103	-.01650	-.00185	-.00200	-.00866	-.00103	.04887

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.677	.06928	-.01624	-.16247	.18171	-.02901	.00497	324.06835	4.08342	-.45335
3.500	-6.614	.06644	-.01504	-.15743	.15084	-.02834	.00409	324.10207	4.08118	-.36115
3.500	-4.564	.06234	-.01430	-.15043	.11963	-.02817	.00398	324.07959	4.07810	-.27079
3.500	-2.518	.05858	-.01459	-.14352	.09276	-.02750	.00320	324.10207	4.07476	-.18677
3.500	-.462	.05471	-.01530	-.13697	.06762	-.02918	.00232	324.10207	4.07181	-.10412
3.500	1.585	.05078	-.01595	-.13172	.04320	-.03220	.00077	324.02338	4.07022	-.02420
3.500	3.628	.04694	-.01625	-.12712	.00953	-.03538	-.00085	324.15829	4.06917	.06332
	GRADIENT	-.00188	-.00026	.00285	-.01317	-.00093	-.00059	.00383	-.00109	.04055

RUN NO. 118/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.754	.06072	-.01347	-.14817	.16458	-.02811	.00617	243.59438	4.05606	-.39961
4.500	-5.723	.05881	-.01318	-.14351	.13988	-.02676	.00602	243.73903	4.05414	-.31987
4.500	-3.687	.05478	-.01274	-.13636	.11335	-.02497	.00529	243.73903	4.05170	-.23885
4.500	-1.661	.05158	-.01308	-.13105	.08933	-.02319	.00455	243.73903	4.04990	-.16226
4.500	.385	.04837	-.01432	-.12563	.06857	-.02208	.00382	243.66670	4.04802	-.08953
4.500	2.408	.04281	-.01522	-.11875	.04581	-.02297	.00264	243.66670	4.04670	-.01707
4.500	4.441	.03954	-.01598	-.11485	.01906	-.02275	.00235	243.66670	4.04604	.05900
	GRADIENT	-.00193	-.00042	.00272	-.01142	.00023	-.00038	-.01068	-.00071	.03645

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 117/(IA948) OTSAT130 (SJW061) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.739	.11841	-.03169	-.28118	.21200	-.01486	.01340	435.22268	6.22779	-.54424
2.500	-6.661	.11577	-.03075	-.27646	.16586	-.01598	.00987	435.22268	6.22494	-.42104
2.500	-4.556	.11148	-.03051	-.26719	.12313	-.01886	.00584	435.17147	6.21827	-.29988
2.500	-2.475	.11076	-.03168	-.26264	.08362	-.02311	.00148	435.17147	6.21347	-.18668
2.500	-.392	.11013	-.03223	-.25833	.04950	-.02684	-.00302	435.29950	6.20891	-.08342
2.500	1.687	.10991	-.03274	-.25563	.01644	-.03372	-.00922	435.24829	6.20596	.01573
2.500	3.764	.10819	-.03336	-.25221	-.02410	-.03486	-.01193	434.96662	6.20357	.12027
	GRADIENT	-.00036	-.00033	.00178	-.01740	-.00205	-.00223	-.01597	-.00178	.05017

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.673	.10727	-.02651	-.25182	.18420	-.02281	.00342	324.09083	6.17436	-.45959
3.500	-6.626	.10161	-.02472	-.24165	.15411	-.02130	.00309	324.07959	6.16971	-.36766
3.500	-4.567	.09632	-.02335	-.23140	.12022	-.02079	.00265	324.10207	6.16467	-.27333
3.500	-2.522	.09029	-.02306	-.22138	.09169	-.02046	.00177	324.12456	6.16030	-.18667
3.500	-.464	.08559	-.02400	-.21316	.06686	-.02162	.00143	324.21450	6.15654	-.10411
3.500	1.584	.08199	-.02501	-.20703	.03962	-.02280	-.00053	324.16953	6.15390	-.02043
3.500	3.631	.07839	-.02587	-.20165	.00596	-.02415	-.00245	324.10207	6.15191	.06685
	GRADIENT	-.00215	-.00034	.00360	-.01369	-.00044	-.00061	.00220	-.00156	.04129

RUN NO. 119/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.762	.09424	-.02203	-.22790	.16830	-.02341	.00499	243.73903	6.11178	-.40383
4.500	-5.735	.08833	-.02100	-.21762	.14306	-.02297	.00484	243.73903	6.10836	-.32468
4.500	-3.693	.08341	-.02048	-.20939	.11594	-.02118	.00440	243.81135	6.10574	-.24371
4.500	-1.658	.07922	-.02105	-.20193	.09131	-.01850	.00382	243.81135	6.10307	-.16554
4.500	.384	.07466	-.02273	-.19378	.06850	-.01694	.00323	243.81135	6.10016	-.08951
4.500	2.416	.07022	-.02385	-.18673	.04291	-.01649	.00235	243.88367	6.09810	-.01368
4.500	4.441	.06361	-.02396	-.17816	.01609	-.01627	.00205	243.88367	6.09625	.06208
	GRADIENT	-.00239	-.00048	.00382	-.01220	.00058	-.00030	.01066	-.00118	.03753

LARC UPWT 1177(IA94B) OTSAT130 (SJW062) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 121/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.672	-.11358	.02894	.27156	.18238	-.07039	.00342	324.28196	-6.15565	-.45391
3.500	-6.619	-.10872	.02743	.26101	.15362	-.06936	.00254	324.40562	-6.14998	-.36523
3.500	-4.582	-.10343	.02582	.24976	.11940	-.06987	.00177	324.39438	-6.14400	-.27149
3.500	-2.532	-.09689	.02507	.23706	.09312	-.07570	.00022	324.50681	-6.13784	-.18722
3.500	-.458	-.09118	.02547	.22613	.06696	-.07640	-.00149	324.39438	-6.13253	-.10147
3.500	1.605	-.08793	.02607	.21903	.03947	-.08158	-.00352	324.43935	-6.12865	-.01766
3.500	3.640	-.08605	.02704	.21550	.00630	-.08216	-.00576	324.12456	-6.12677	.06955
	GRADIENT	.00213	.00017	-.00421	-.01360	-.00148	-.00091	-.02944	.00212	.04138

RUN NO. 126/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.775	-.09402	.02216	.23549	.17018	-.04822	.00559	243.46951	-6.10422	-.41124
4.500	-5.748	-.08868	.02070	.22458	.14556	-.04530	.00441	243.54183	-6.09998	-.33064
4.500	-3.695	-.08314	.02042	.21488	.11681	-.04152	.00176	243.46951	-6.09664	-.24667
4.500	-1.657	-.07796	.02037	.20416	.08979	-.04062	.00029	243.54183	-6.09259	-.16492
4.500	.381	-.07405	.02141	.19568	.06754	-.04553	.00103	243.54183	-6.08925	-.09029
4.500	2.422	-.06908	.02301	.18733	.04463	-.04465	-.00085	243.46951	-6.08643	-.01570
4.500	4.448	-.06269	.02261	.17805	.01505	-.04774	-.00281	243.61415	-6.08392	.06316
	GRADIENT	.00244	.00034	-.00444	-.01221	-.00081	-.00051	.01064	.00155	.03775

LARC UPWT 1177(1A94B) OTSAT130 (SJW063) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 122/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.699	-.07413	.01825	.17706	.18798	-.04964	.00530	324.11332	-4.10096	-.46072
3.500	-6.624	-.07169	.01695	.17096	.15771	-.05013	.00375	324.15829	-4.09735	-.36962
3.500	-4.591	-.06816	.01614	.16288	.12514	-.05148	.00254	324.09083	-4.09283	-.27712
3.500	-2.532	-.06347	.01580	.15341	.09797	-.05736	.00099	324.07959	-4.08808	-.19172
3.500	-.459	-.05941	.01608	.14552	.07117	-.05951	-.00085	324.19201	-4.08430	-.10625
3.500	1.587	-.05513	.01651	.13899	.04494	-.06874	-.00224	324.14704	-4.08169	-.02383
3.500	3.637	-.05041	.01665	.13300	.01200	-.06824	-.00448	324.16953	-4.07994	.06189
	GRADIENT	.00213	.00008	-.00361	-.01357	-.00218	-.00084	.01095	.00156	.04111

RUN NO. 127/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.787	-.05836	.01316	.14844	.17177	-.04016	.00529	243.61415	-4.06587	-.41098
4.500	-5.723	-.05518	.01217	.14180	.14779	-.03725	.00485	243.68648	-4.06322	-.33046
4.500	-3.700	-.05177	.01181	.13519	.12030	-.03502	.00367	243.68648	-4.06075	-.24849
4.500	-1.658	-.04757	.01185	.12727	.09518	-.03413	.00264	243.61415	-4.05795	-.17083
4.500	.391	-.04525	.01241	.12202	.07285	-.03480	.00176	243.61415	-4.05586	-.09482
4.500	2.417	-.03966	.01305	.11425	.04969	-.03525	.00029	243.61415	-4.05382	-.02268
4.500	4.440	-.03524	.01362	.10818	.02210	-.03613	-.00123	243.68648	-4.05228	.05451
	GRADIENT	.00201	.00024	-.00329	-.01188	-.00016	-.00060	-.00003	.00104	.03705

LARC UPWT 1177(IA94B) OTSAT130 (SJW064) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 120/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/N	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.670	-.00375	.00142	.01033	.17934	-.04056	.00121	324.23698	-.00635	-.44942
3.500	-6.628	-.00378	.00098	.00941	.15115	-.03838	.00121	324.24823	-.00546	-.36129
3.500	-4.574	-.00311	.00075	.00770	.12084	-.03856	-.00011	324.20326	-.00443	-.27184
3.500	-2.528	-.00313	.00054	.00699	.09398	-.04323	-.00117	324.33817	-.00386	-.18712
3.500	-.454	-.00267	.00034	.00596	.06985	-.04692	-.00171	324.34941	-.00339	-.10511
3.500	1.604	-.00312	.00036	.00610	.04595	-.04776	-.00299	324.29320	-.00309	-.02605
3.500	3.631	-.00277	.00028	.00601	.01545	-.04844	-.00459	324.25947	-.00322	.05795
	GRADIENT	.00003	-.00005	-.00021	-.01260	-.00118	-.00052	.00330	.00016	.03995

RUN NO. 125/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.759	.00210	-.00023	-.00087	.16401	-.03190	.00323	243.61415	-.01955	-.39974
4.500	-5.736	.00198	-.00051	-.00056	.14159	-.02881	.00294	243.39718	-.01963	-.32190
4.500	-3.707	.00193	-.00062	-.00140	.11764	-.02790	.00191	243.46951	-.01903	-.24559
4.500	-1.669	.00173	-.00080	-.00195	.09436	-.03124	.00103	243.54183	-.01864	-.17019
4.500	.385	.00177	-.00087	-.00181	.07014	-.03370	.00044	243.54183	-.01884	-.09316
4.500	2.422	.00123	-.00121	-.00173	.04767	-.03124	.00000	243.54183	-.01851	-.01990
4.500	4.444	.00086	-.00133	-.00149	.02159	-.02835	-.00093	243.46951	-.01840	.05484
	GRADIENT	-.00013	-.00009	.00000	-.01171	-.00005	-.00033	.00002	.00007	.03683

LARC UPWT 1177(IA94B) OTSAT130 (SJW065) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 123/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.692	.06915	-.01694	-.16235	.18578	-.03050	-.00096	324.27071	4.12167	-.45862
3.500	-6.629	.06623	-.01568	-.15730	.15677	-.02983	-.00107	324.34941	4.11950	-.36910
3.500	-4.578	.06273	-.01519	-.15110	.12534	-.02967	-.00096	324.27071	4.11666	-.27739
3.500	-2.520	.05872	-.01533	-.14383	.09760	-.02883	-.00096	324.23698	4.11316	-.19209
3.500	-.467	.05486	-.01603	-.13729	.07353	-.03034	-.00139	324.21450	4.11021	-.11079
3.500	1.590	.05094	-.01662	-.13207	.04932	-.03337	-.00342	324.07959	4.10862	-.03089
3.500	3.631	.04722	-.01703	-.12790	.01619	-.03638	-.00544	324.18077	4.10785	.05526
	GRADIENT	-.00189	-.00024	.00283	-.01299	-.00087	-.00056	-.01645	-.00108	.04026

RUN NO. 128/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.762	.05206	-.01437	-.15128	.17080	-.02876	.00250	243.75880	4.05742	-.41025
4.500	-5.719	.05980	-.01398	-.14566	.14462	-.02743	.00264	243.68648	4.05500	-.32721
4.500	-3.688	.05626	-.01372	-.13959	.12005	-.02565	.00235	243.68648	4.05299	-.24977
4.500	-1.674	.05261	-.01384	-.13373	.09574	-.02408	.00176	243.75880	4.05110	-.17315
4.500	.377	.04973	-.01521	-.12879	.07436	-.02297	.00117	243.75880	4.04937	-.09850
4.500	2.418	.04441	-.01625	-.12244	.05140	-.02386	-.00043	243.75880	4.04827	-.02606
4.500	4.453	.04067	-.01675	-.11751	.02478	-.02364	-.00057	243.68648	4.04717	.04998
	GRADIENT	-.00193	-.00042	.00272	-.01153	.00021	-.00039	-.00002	-.00071	.03664

LARC UPWT 117/(IA94B) OTSAT130 (SJW066) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 124/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.673	.10737	-.02720	-.25236	.18804	-.02412	-.00085	324.41687	6.15601	-.46313
3.500	-6.628	.10222	-.02560	-.24346	.15934	-.02279	-.00085	324.33817	6.15206	-.37408
3.500	-4.580	.09668	-.02418	-.23331	.12627	-.02196	-.00107	324.28196	6.14727	-.28122
3.500	-2.534	.09093	-.02388	-.22322	.09847	-.02145	-.00139	324.36065	6.14265	-.19596
3.500	-.464	.08657	-.02505	-.21545	.07343	-.02262	-.00181	324.36065	6.13893	-.11207
3.500	1.589	.08234	-.02575	-.20810	.04635	-.02363	-.00448	324.36065	6.13575	-.02843
3.500	3.622	.07922	-.02673	-.20342	.01196	-.02463	-.00714	324.43935	6.13408	.05868
	GRADIENT	-.00212	-.00034	.00365	-.01367	-.00037	-.00074	.01532	-.00162	.04128

RUN NO. 129/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.785	.09485	-.02282	-.22901	.17472	-.02453	.00264	243.68648	6.13104	-.41699
4.500	-5.731	.08884	-.02180	-.21872	.14834	-.02409	.00250	243.68648	6.12769	-.33404
4.500	-3.690	.08413	-.02127	-.21053	.12190	-.02230	.00250	243.68648	6.12494	-.25299
4.500	-1.667	.07974	-.02169	-.20240	.09621	-.01962	.00205	243.83112	6.12199	-.17285
4.500	.373	.07538	-.02352	-.19492	.07411	-.01829	.00147	243.68648	6.11936	-.09876
4.500	2.419	.07084	-.02464	-.18787	.04915	-.01806	-.00014	243.75880	6.11736	-.02279
4.500	4.443	.06434	-.02475	-.17934	.02158	-.01740	-.00085	243.68648	6.11545	.05292
	GRADIENT	-.00238	-.00049	.00378	-.01217	.00056	-.00044	-.00356	-.00116	.03743

LARC UPWT 1177(1A94B) OTSAT130 (SJW067) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 131/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.669	-.11300	.02958	.27016	.17520	-.06861	-.00608	324.01213	-6.15472	-.44323
3.500	-6.611	-.10815	.02793	.25881	.14497	-.06725	-.00672	324.07959	-6.14831	-.35174
3.500	-4.560	-.10369	.02670	.24952	.11260	-.06791	-.00747	324.12456	-6.14346	-.26062
3.500	-2.511	-.09693	.02574	.23605	.08597	-.07361	-.00864	324.14704	-6.13675	-.17636
3.500	-.460	-.09110	.02618	.22549	.05958	-.07412	-.01014	324.10207	-6.13190	-.09055
3.500	1.585	-.08842	.02696	.21966	.03235	-.07900	-.01206	324.02338	-6.12867	-.00817
3.500	3.534	-.08574	.02763	.21435	-.00157	-.07952	-.01495	323.97840	-6.12593	.08053
	GRADIENT	.00217	.00015	-.00423	-.01376	-.00140	-.00090	-.02031	.00211	.04152

RUN NO. 136/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.758	-.09340	.02285	.23284	.16193	-.04622	-.00355	243.38510	-6.10277	-.39638
4.500	-5.722	-.08926	.02169	.22521	.13684	-.04288	-.00469	243.38510	-6.10000	-.31616
4.500	-3.693	-.08340	.02096	.21437	.10972	-.03953	-.00625	243.38510	-6.09612	-.23384
4.500	-1.652	-.07860	.02114	.20429	.08346	-.03820	-.00782	243.31278	-6.09221	-.15398
4.500	.379	-.07423	.02196	.19523	.06120	-.04355	-.00654	243.38510	-6.08878	-.07927
4.500	2.417	-.06933	.02364	.18680	.03809	-.04198	-.00839	243.38510	-6.08590	-.00465
4.500	4.445	-.06296	.02333	.17757	.00882	-.04509	-.01137	243.45742	-6.08338	.07432
	GRADIENT	.00246	.00036	-.00448	-.01215	-.00073	-.00053	.01065	.00156	.03763

LARC UPWT 1177(IA94B) OTSAT130 (SJW068) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 132/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.673	-.07522	.01934	.17912	.17880	-.04781	-.00342	323.97840	-4.10191	-.44588
3.500	-6.617	-.07262	.01794	.17265	.14850	-.04815	-.00430	323.94468	-4.09809	-.35485
3.500	-4.558	-.06900	.01713	.16454	.11614	-.04983	-.00545	323.95592	-4.09363	-.26220
3.500	-2.512	-.06399	.01677	.15419	.08879	-.05551	-.00694	324.05710	-4.08838	-.17664
3.500	-.464	-.06049	.01710	.14757	.06406	-.05770	-.00875	324.02338	-4.08525	-.09544
3.500	1.589	-.05622	.01734	.14104	.038[illegible]	-.06711	-.01046	323.96716	-4.08264	-.01445
3.500	3.639	-.05152	.01748	.13510	.00[illegible]	-.06628	-.01324	323.88846	-4.08089	.07272
	GRADIENT	.00208	.00006	-.00351	-.01335	-.00217	-.00093	-.01098	.00152	.04060

RUN NO. 137/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.764	-.06015	.01440	.15170	.16347	-.03862	-.00294	243.45742	-4.06697	-.39666
4.500	-5.722	-.05725	.01346	.14567	.14047	-.03551	-.00284	243.38510	-4.06454	-.31820
4.500	-3.690	-.05408	.01324	.13959	.11244	-.03327	-.00341	243.38510	-4.06228	-.23425
4.500	-1.651	-.04972	.01314	.13109	.08632	-.03260	-.00426	243.38510	-4.05921	-.15460
4.500	.385	-.04738	.01369	.12581	.06508	-.03238	-.00512	243.38510	-4.05711	-.08229
4.500	2.414	-.04155	.01420	.11751	.04246	-.03394	-.00682	243.38510	-4.05486	-.00998
4.500	4.440	-.03644	.01459	.11039	.01355	-.03460	-.00903	243.45742	-4.05301	.06910
	GRADIENT	.00214	.00018	-.00354	-.01189	-.00020	-.00068	.00711	.00113	.03697

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OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (SJW069) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 130/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.669	-.00419	.00201	.01113	.17239	-.04111	-.00566	323.89971	-.00672	-.43903
3.500	-6.608	-.00459	.00177	.01102	.14495	-.03911	-.00555	323.80977	-.00625	-.35079
3.500	-4.560	-.00399	.00154	.00929	.11406	-.03909	-.00683	323.93343	-.00516	-.26119
3.500	-2.510	-.00380	.00127	.00860	.08782	-.04363	-.00812	323.87722	-.00478	-.17791
3.500	-.461	-.00385	.00120	.00836	.06437	-.04736	-.00855	323.62988	-.00461	-.09727
3.500	1.591	-.00411	.00125	.00809	.03900	-.04820	-.01005	323.62988	-.00409	-.01672
3.500	3.631	-.00358	.00100	.00760	.00899	-.04915	-.01217	324.00089	-.00402	.06744
	GRADIENT	.00002	-.00005	-.00019	-.01264	-.00121	-.00062	-.00553	.00015	.03996

RUN NO. 135/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.763	.00052	.00066	.00232	.15655	-.03013	-.00312	243.52975	-.00188	-.38729
4.500	-5.729	.00056	.00033	.00209	.13370	-.02723	-.00284	243.52975	-.00169	-.30913
4.500	-3.682	.00084	.00001	.00074	.10957	-.02657	-.00313	243.45742	-.00093	-.23110
4.500	-1.656	.00074	-.00026	.00020	.08718	-.02991	-.00412	243.45742	-.00060	-.15761
4.500	.383	.00078	-.00024	.00033	.06371	-.03238	-.00512	243.38510	-.00080	-.08240
4.500	2.415	-.00005	-.00031	.00149	.04229	-.03015	-.00597	243.38510	-.00103	-.01094
4.500	4.444	-.00052	-.00043	.00172	.01534	-.02679	-.00725	243.45742	-.00085	.06565
	GRADIENT	-.00017	-.00005	.00016	-.01148	-.00003	-.00050	-.00356	-.00001	.03642

LARC UPWT 1177(IA94B) OTSAT130 (SJW070) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 133/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.670	.06883	-.01645	-.16247	.17745	-.02867	-.00662	324.11332	4.08378	-.44515
3.500	-6.609	.06605	-.01531	-.15741	.14754	-.02817	-.00672	324.16953	4.08148	-.35431
3.500	-4.562	.06241	-.01472	-.15074	.11722	-.02783	-.00597	324.21450	4.07837	-.26528
3.500	-2.513	.05817	-.01476	-.14314	.08963	-.02717	-.00640	324.05710	4.07472	-.18001
3.500	-.461	.05439	-.01556	-.13692	.06570	-.02866	-.00725	324.22574	4.07205	-.09860
3.500	1.589	.05045	-.01614	-.13166	.04085	-.03169	-.01014	324.19201	4.07046	-.01876
3.500	3.629	.04672	-.01645	-.12715	.00776	-.03454	-.01323	324.10207	4.06935	.06739
	GRADIENT	-.00191	-.00024	.00286	-.01307	-.00088	-.00089	-.00438	-.00109	.04035

RUN NO. 138/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.758	.06022	-.01355	-.14708	.16284	-.02700	-.00256	243.60207	4.05563	-.39619
4.500	-5.726	.05816	-.01301	-.14254	.13723	-.02588	-.00256	243.60207	4.05383	-.31473
4.500	-3.693	.05469	-.01283	-.13640	.11194	-.02409	-.00241	243.67439	4.05176	-.23531
4.500	-1.652	.05126	-.01312	-.13059	.08805	-.02231	-.00298	243.60207	4.04974	-.15878
4.500	.379	.04814	-.01436	-.12512	.06811	-.02142	-.00383	243.60207	4.04780	-.08782
4.500	2.418	.04272	-.01540	-.11877	.04308	-.02209	-.00582	243.60207	4.04676	-.01175
4.500	4.441	.03882	-.01567	-.11328	.01627	-.02186	-.00625	243.60207	4.04539	.06433
	GRADIENT	-.00198	-.00039	.00285	-.01162	.00023	-.00052	-.00712	-.00077	.03670

LARC UPWT 1177(IA94B) OTSAT130 (SJW071) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 134/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
3.500	-8.666	.10608	-.02664	-.24973	.17962	-.02280	-.00619	324.19201	6.15456	-.45005
3.500	-6.626	.10114	-.02510	-.24080	.15107	-.02163	-.00608	324.10207	6.15042	-.36093
3.500	-4.568	.09583	-.02375	-.23083	.11838	-.02061	-.00629	324.33817	6.14573	-.26917
3.500	-2.518	.08978	-.02338	-.22061	.08953	-.02013	-.00672	324.04586	6.14108	-.18135
3.500	-.458	.08524	-.02446	-.21243	.06500	-.02130	-.00737	324.04586	6.13719	-.09879
3.500	1.585	.08136	-.02522	-.20584	.03815	-.02213	-.01110	324.12450	6.13440	-.01644
3.500	3.633	.07800	-.02605	-.20060	.00340	-.02364	-.01505	324.13580	6.13257	.07218
	GRADIENT	-.00215	-.00031	.00365	-.01372	-.00039	-.00107	-.01592	-.00161	.04134

RUN NO. 139/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
4.500	-7.751	.09417	-.02226	-.22754	.16502	-.02299	-.00270	243.52975	6.11149	-.39898
4.500	-5.726	.08816	-.02128	-.21768	.14021	-.02230	-.00270	243.67439	6.10848	-.31950
4.500	-3.686	.08296	-.02056	-.20842	.11382	-.02052	-.00241	243.67439	6.10530	-.23849
4.500	-1.652	.07935	-.02123	-.20202	.08739	-.01784	-.00312	243.67439	6.10300	-.15853
4.500	.379	.07472	-.02293	-.19394	.06634	-.01651	-.00369	243.60207	6.10016	-.08615
4.500	2.412	.07008	-.02413	-.18690	.04130	-.01628	-.00596	243.67439	6.09822	-.01019
4.500	4.447	.06328	-.02388	-.17729	.01308	-.01584	-.00682	243.60207	6.09575	.06740
	GRADIENT	-.00239	-.00047	.00381	-.01218	.00054	-.00057	-.00711	-.00117	.03739

LARC UPWT 1177(IA94B) OTSAT130 (SJW072) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 141/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C'N	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.727	-.12269	.03459	.29654	.19959	-.07527	-.00947	434.71056	-6.22885	-.51851
2.500	-6.639	-.11771	.03351	.28653	.15536	-.08226	-.01201	434.76177	-6.22200	-.39855
2.500	-4.556	-.11277	.03295	.27438	.11286	-.08861	-.01450	434.24966	-6.21230	-.27799
2.500	-2.468	-.11093	.03335	.26637	.07474	-.09600	-.01649	434.24966	-6.20470	-.16711
2.500	-.376	-.11073	.03344	.26086	.04147	-.10643	-.01703	434.55693	-6.19855	-.06452
2.500	1.691	-.11261	.03378	.26015	.00782	-.11149	-.01943	434.35208	-6.19559	.03310
2.500	3.768	-.11030	.03380	.25415	-.03192	-.10648	-.02477	434.35208	-6.19074	.13453
	GRADIENT	.00016	.00010	-.00224	-.01713	-.00246	-.00113	.01484	.00251	.04928

LARC UPWT 1177(IA94B) OTSAT130 (SJW073) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 142/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.726	-.08183	.02196	.19646	.20449	-.06683	-.00725	434.27526	-4.15049	-.52350
2.500	-6.627	-.07772	.02112	.18896	.15679	-.07323	-.01020	434.14723	-4.14567	-.39541
2.500	-4.538	-.07217	.02072	.17642	.11444	-.07985	-.01243	434.24966	-4.13643	-.27645
2.500	-2.458	-.07116	.02119	.17081	.07611	-.08761	-.01410	434.24966	-4.13084	-.16690
2.500	-.383	-.07062	.02120	.16727	.04500	-.09656	-.01497	434.50572	-4.12733	-.06979
2.500	1.696	-.07128	.02179	.16632	.01416	-.10107	-.01781	435.04344	-4.12559	.02609
2.500	3.762	-.07055	.02183	.16326	-.02385	-.09655	-.02281	435.12026	-4.12264	.12510
	GRADIENT	.00015	.00014	-.00148	-.01631	-.00226	-.00118	.12215	.00158	.04800

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LARC UPWT 1177(IA94B) OTSAT130 (SJW074) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 140/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.739	-.00104	.00057	.00422	.20161	-.04414	-.00740	434.63374	-.00399	-.52377
2.500	-6.640	-.00002	.00036	.00096	.15718	-.04923	-.01042	434.99223	-.00110	-.40157
2.500	-4.547	.00111	.00031	-.00102	.11204	-.05459	-.01296	435.09465	.00012	-.27749
2.500	-2.461	.00204	.00009	-.00256	.07416	-.05866	-.01528	434.55693	.00092	-.16783
2.500	-.389	.00245	-.00037	-.00414	.04587	-.06190	-.01687	434.63374	.00229	-.07302
2.500	1.691	.00204	-.00056	-.00392	.01678	-.06743	-.01919	434.42890	.00252	.02053
2.500	3.759	.00119	-.00070	-.00272	-.01921	-.07061	-.02462	434.12163	.00202	.11866
	GRADIENT	.00001	-.00013	-.00023	-.01541	-.00197	-.00131	-.09991	.00026	.04723

LARC UPWT 1177(IA94B) OTSAT130 (SJW075) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 143/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEO	Q(PSF)	BETA	CNU
2.500	-8.739	.07976	-.01979	-.18619	.20380	-.02198	-.00326	435.22268	4.15253	-.53203
2.500	-6.646	.07680	-.01914	-.18309	.15753	-.02521	-.00532	435.55556	4.15100	-.40625
2.500	-4.560	.07414	-.01920	-.17627	.11574	-.02935	-.00866	435.17147	4.14547	-.28738
2.500	-2.479	.07341	-.02016	-.17339	.07657	-.03299	-.01312	434.88980	4.14262	-.17625
2.500	-.394	.07365	-.02076	-.17156	.04463	-.03812	-.01798	434.88980	4.14008	-.07577
2.500	1.692	.07236	-.02132	-.16861	.01320	-.04349	-.02259	434.86420	4.13795	.02152
2.500	3.757	.07203	-.02197	-.16684	-.02403	-.04364	-.02714	434.63374	4.13616	.12122
	GRADIENT	-.00025	-.00032	.00114	-.01648	-.00188	-.00223	-.05290	-.00112	.04879

DATE 29 OCT 76 TABULATED SOURCE DATA - 1A94B.

LARC UPWT 1177(1A94B) OTSAT130 (SJW076) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 144/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CY	CLMU	CHEI	CHEU	Q(PSF)	BETA	CNU
2.500	-8.747	.11940	-.03188	-.28319	.20676	-.01286	-.00222	435.35071	6.22924	-.54035
2.500	-6.661	.11632	-.03084	-.27742	.16147	-.01436	-.00421	435.12026	6.22547	-.41844
2.500	-4.569	.11225	-.03067	-.26801	.11850	-.01748	-.00[illegible]	435.24829	6.21848	-.29610
2.500	-2.475	.11054	-.03162	-.26108	.07780	-.02223	-.01365	435.19707	6.21184	-.18000
2.500	-.393	.10999	-.03217	-.25718	.04523	-.02810	-.01494	435.14586	6.20761	-.07869
2.500	1.691	.11011	-.03281	-.25572	.01072	-.03223	-.02218	435.06904	6.20577	.02148
2.500	3.761	.10790	-.03322	-.25110	-.02918	-.03338	-.02601	434.78738	6.20246	.12500
	GRADIENT	-.00044	-.00030	.00188	-.01740	-.00201	-.00243	-.05037	-.00183	.05012

LARC UPWT 1177(1A94B) OTSAT130 (TJW001) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 2/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.728	1.99780	-1.03490	-6.22840	-.46973	.45389	-.02751	-.00453	-.00459
2.500	-6.643	1.99598	-.87067	-6.22052	-.36201	.41578	-.02075	-.00318	-.00424
2.500	-4.539	1.99682	-.66460	-6.21097	-.25652	.38598	-.01302	-.00175	-.00366
2.500	-2.449	1.99639	-.43783	-6.20287	-.16046	.36650	-.00228	.00006	-.00301
2.500	-.376	1.99603	-.21839	-6.19696	-.07719	.35345	.00947	.00193	-.00227
2.500	1.698	1.99827	.02641	-6.19547	.00919	.34793	.01770	.00358	-.00198
2.500	3.754	1.99709	.27593	-6.19059	.09705	.35170	.02887	.00562	-.00132
	GRADIENT	.00014	.11311	.00232	.04229	-.00421	.00500	.00088	.00028

LARC UPWT 1177(IA94B) OTSAT130 (TJW002) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 3/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.736	1.99780	-1.05452	-4.15139	-.47850	.45376	-.03242	-.00506	-.00691
2.500	-6.635	1.99839	-.88345	-4.14456	-.36659	.41495	-.02421	-.00346	-.00638
2.500	-4.543	2.00522	-.68921	-4.13738	-.26574	.38557	-.01642	-.00197	-.00594
2.500	-2.467	2.00487	-.45672	-4.13161	-.16681	.36523	-.00720	-.00026	-.00549
2.500	-.387	2.00510	-.22610	-4.12780	-.07987	.35325	.00119	.00124	-.00555
2.500	1.694	2.00298	.01299	-4.12452	.00450	.34655	.00754	.00252	-.00554
2.500	3.768	2.00487	.25605	-4.12280	.08963	.35005	.01522	.00430	-.00546
	GRADIENT	.00007	.11357	.00174	.04244	-.00432	.00375	.00074	.00004

LARC UPWT 1177(IA94B) OTSAT130 (TJW003) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 1/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.744	1.99945	-1.06065	-.02128	-.47706	.44978	-.01508	-.00408	-.00399
2.500	-6.645	2.00145	-.89672	-.01945	-.36639	.40859	-.00494	-.00226	-.00316
2.500	-4.538	2.00163	-.69631	-.01763	-.26281	.37743	.00385	-.00067	-.00289
2.500	-2.468	2.00027	-.45902	-.01704	-.16435	.35804	.01174	.00074	-.00283
2.500	-.380	2.00039	-.22418	-.01590	-.07810	.34840	.01625	.00183	-.00350
2.500	1.686	2.00039	.00302	-.01507	.00104	.34423	.02458	.00328	-.00324
2.500	3.764	1.99980	.25690	-.01654	.08868	.34520	.03106	.00479	-.00394
	GRADIENT	-.00018	.11410	.00020	.04183	-.00377	.00324	.00065	-.00012

LARC UPWT 1177(IA94B) OTSAT130 (TJW004) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.742	2.00227	-1.06638	4.13323	-.48634	.45607	-.03429	-.00539	-.01214
2.500	-6.660	2.00074	-.91210	4.13260	-.38079	.41749	-.02404	-.00360	-.01177
2.500	-4.558	2.00074	-.71399	4.12782	-.27594	.38648	-.01520	-.00210	-.01148
2.500	-2.481	2.00039	-.47921	4.12465	-.17526	.36573	-.00595	-.00047	-.01102
2.500	-.392	2.00074	-.24833	4.12217	-.08775	.35338	.00139	.00088	-.01084
2.500	1.686	1.99992	-.01113	4.12204	-.00386	.34659	.00877	.00227	-.01090
2.500	3.759	1.99756	.24154	4.11810	.08432	.34908	.01800	.00412	-.01064
	GRADIENT	-.00033	.11437	-.00106	.04288	-.00452	.00390	.00073	.00009

LARC UPWT 1177(IA94B) OTSAT130 (TJW005) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.752	2.00098	-1.07422	6.23123	-.49346	.45936	-.04036	-.00566	-.01460
2.500	-6.659	2.00074	-.92816	6.22697	-.39001	.42019	-.02918	-.00388	-.01367
2.500	-4.567	2.00183	-.73298	6.22067	-.28511	.38897	-.01891	-.00211	-.01320
2.500	-2.477	2.00051	-.50096	6.21431	-.18405	.36738	-.00869	-.00035	-.01268
2.500	-.389	2.00145	-.26240	6.20999	-.09264	.35306	.00015	.00107	-.01229
2.500	1.675	2.00121	-.01978	6.20787	-.00683	.34525	.00710	.00235	-.01253
2.500	3.755	2.00039	.24198	6.20603	.08419	.34792	.01822	.00437	-.01180
	GRADIENT	-.00010	.11690	-.00172	.04404	-.00502	.00433	.00075	.00014

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 117/(IA94B) OTSAT130 (TJW006) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 7/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.740	1.99886	-1.03372	-6.22851	-.46783	.45257	-.01704	-.00339	-.00380
2.500	-6.673	1.99968	-.87357	-6.21653	-.36275	.41525	-.00980	-.00212	-.00316
2.500	-4.558	2.00051	-.66861	-6.21031	-.25723	.38473	-.00113	-.00065	-.00226
2.500	-2.464	1.99909	-.44465	-6.20245	-.16249	.36544	.00954	.00115	-.00146
2.500	-.381	1.99992	-.20444	-6.19741	-.07195	.35194	.02170	.00311	-.00054
2.500	1.700	1.99992	.02305	-6.19478	.00800	.34727	.02947	.00466	-.00036
2.500	3.746	1.99803	.27916	-6.19085	.09790	.35070	.04159	.00681	.00053
	GRADIENT	-.00020	.11376	.00224	.04240	-.00416	.00507	.00089	.00032

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.681	2.00003	-1.03633	-6.15420	-.40272	.38861	.00717	-.00056	-.00156
3.500	-6.612	1.99989	-.93640	-6.14841	-.33060	.35305	.01030	-.00025	-.00059
3.500	-4.573	2.00003	-.77078	-6.14295	-.24924	.32336	.01274	.00046	-.00026
3.500	-2.527	2.00052	-.57604	-6.13643	-.17348	.30115	.01463	.00079	.00008
3.500	-.458	2.00073	-.34781	-6.13188	-.09948	.28602	.01530	.00111	-.00022
3.500	1.594	1.99382	-.09571	-6.12850	-.02672	.27919	.01979	.00200	.00017
3.500	3.604	2.00066	.17778	-6.12652	.04945	.27815	.02625	.00308	.00082
	GRADIENT	.00003	.11609	.00199	.03634	-.00550	.00157	.00031	.00011

RUN NO. 17/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.765	1.99746	-1.03846	-6.10374	-.36812	.35448	-.02918	-.00281	-.01223
4.500	-5.705	1.99864	-.93951	-6.10054	-.30110	.32049	-.02759	-.00241	-.01172
4.500	-3.701	1.99746	-.78902	-6.09653	-.23144	.29333	-.02422	-.00172	-.01137
4.500	-1.666	1.99686	-.59427	-6.09262	-.16148	.27173	-.02264	-.00135	-.01087
4.500	.380	1.99746	-.36108	-6.08935	-.09217	.25525	-.02268	-.00122	-.01089
4.500	2.405	1.99805	-.11985	-6.08653	-.02944	.24563	-.02011	-.00078	-.01057
4.500	4.442	1.99864	.16709	-6.08386	.04089	.24472	-.01411	.00014	-.00974
	GRADIENT	.00017	.11723	.00154	.03324	-.00606	.00112	.00021	.00017

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 8/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.730	1.99980	-1.05188	-4.15076	-.47449	.45109	-.01766	-.00366	-.00483
2.500	-6.658	1.99957	-.87810	-4.14501	-.36262	.41296	-.01000	-.00215	-.00418
2.500	-4.567	2.00051	-.67079	-4.13658	-.25689	.38296	-.00131	-.00056	-.00353
2.500	-2.455	1.99933	-.44734	-4.13004	-.16249	.36324	.00942	.00111	-.00295
2.500	-.389	2.00004	-.22244	-4.12837	-.07830	.35201	.01678	.00256	-.00277
2.500	1.697	1.99980	.01533	-4.12493	.00529	.34537	.02262	.00375	-.00271
2.500	3.759	2.00027	.26039	-4.12241	.09083	.34881	.03179	.00569	-.00245
	GRADIENT	-.00000	.11175	.00161	.04150	-.00415	.00387	.00073	.00012

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.699	2.00066	-1.05068	-4.10091	-.40304	.38360	.00471	-.00134	-.00178
3.500	-6.634	2.00059	-.94982	-4.09745	-.32975	.34717	.00650	-.00082	-.00138
3.500	-4.573	2.00066	-.78601	-4.09320	-.24968	.31766	.00903	-.00017	-.00124
3.500	-2.531	2.00066	-.59022	-4.08851	-.17526	.29694	.01283	.00046	-.00056
3.500	-.461	2.00059	-.36281	-4.08516	-.10290	.28363	.01870	.00137	-.00005
3.500	1.585	2.00121	-.11849	-4.08228	-.03275	.27641	.02056	.00202	-.00007
3.500	3.637	2.00052	.16647	-4.08087	.04587	.27556	.02638	.00315	.00030
	GRADIENT	.00001	.11573	.00150	.03572	-.00510	.00287	.00040	.00017

RUN NO. 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.765	1.99746	-1.04146	-4.06645	-.36348	.34901	-.03071	-.00331	-.01272
4.500	-5.734	1.99805	-.95855	-4.06424	-.30177	.31482	-.03001	-.00302	-.01227
4.500	-3.698	1.99805	-.81378	-4.06142	-.23222	.28536	-.02660	-.00237	-.0119.
4.500	-1.652	1.99864	-.61382	-4.05912	-.16218	.26421	-.02605	-.00192	-.01142
4.500	.380	1.99805	-.38550	-4.05687	-.09684	.25120	-.02263	-.00122	-.01102
4.500	2.426	1.99746	-.13508	-4.05478	-.03280	.24284	-.01838	-.00050	-.01046
4.500	4.433	1.99864	.14215	-4.05314	.03426	.24098	-.01665	-.00004	-.01049
	GRADIENT	-.00000	.11751	.00103	.03256	-.00542	.00131	.00030	.00019

LARC UPWT 1177(IA94B) OTSAT130 (TJW008) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 6/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.759	1.99179	-1.04991	-.00452	-.46852	.44625	-.01670	-.00297	-.00347
2.500	-6.642	1.99026	-.89430	-.00076	-.36386	.40687	.00205	-.00133	-.00298
2.500	-4.533	1.99073	-.68582	.00041	-.25753	.37550	.01182	.00030	-.00231
2.500	-2.461	1.98932	-.44717	.00115	-.15933	.35631	.01929	.00163	-.00236
2.500	-.381	1.99861	-.22385	.00255	-.07780	.34754	.02382	.00270	-.00295
2.500	1.693	2.00121	.00830	.00220	.00285	.34329	.03108	.00413	-.00315
2.500	3.748	2.00063	.24527	.00229	.08444	.34426	.03800	.00562	-.00358
	GRADIENT	.00153	.11188	.00023	.04084	-.00365	.00310	.00063	-.00016

RUN NO. 11/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.667	2.00073	-1.05468	-.00357	-.39814	.37749	.00949	-.00169	-.00057
3.500	-6.637	1.99989	-.96066	-.00308	-.32744	.34086	.01131	-.00133	-.00004
3.500	-4.561	1.99955	-.80254	-.00263	-.25031	.31190	.01521	-.00053	.00010
3.500	-2.516	2.00003	-.60398	-.00213	-.17635	.29199	.01516	.00009	-.00061
3.500	-.467	1.99969	-.37266	-.00193	-.10435	.28001	.02032	.00103	-.00017
3.500	1.584	2.00010	-.13719	-.00212	-.03749	.27327	.02729	.00220	.00104
3.500	3.627	1.99969	.14608	-.00247	.03971	.27183	.03314	.00350	.00108
	GRADIENT	.00002	.11545	.00002	.03511	-.00483	.00234	.00050	.00018

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.754	1.99867	-1.04693	-.01992	-.35833	.34227	-.03724	-.00486	-.01392
4.500	-5.717	1.99805	-.96174	-.01957	-.29698	.30879	-.03656	-.00448	-.01364
4.500	-3.691	1.99746	-.82212	-.01925	-.23115	.28116	-.03329	-.00349	-.01334
4.500	-1.666	1.99805	-.63879	-.01901	-.16687	.26123	-.02999	-.00276	-.01272
4.500	.378	1.99746	-.40612	-.01921	-.10040	.24722	-.02415	-.00167	-.01165
4.500	2.420	1.99864	-.14663	-.01950	-.03522	.24022	-.01839	-.00054	-.01031
4.500	4.452	1.99805	.13014	-.01926	.03113	.23917	-.01233	.00051	-.00990
	GRADIENT	.00009	.11765	-.00003	.03221	-.00515	.00263	.00050	.00046

LARC UPWT 117/(IA94B) OTSAT130 (TJW009) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.757	1.99980	-1.06553	4.15401	-.48338	.45365	-.01587	-.00374	-.00876
2.500	-6.663	1.99992	-.89928	4.15127	-.37244	.41415	-.00608	-.00201	-.00842
2.500	-4.550	2.00157	-.70939	4.14653	-.27227	.38381	.00179	-.00058	-.00835
2.500	-2.474	1.99968	-.47844	4.14363	-.17384	.36334	.01151	.00100	-.00761
2.500	-.394	2.00015	-.23898	4.14085	-.08405	.35171	.01979	.00245	-.00721
2.500	1.678	1.99980	.00299	4.13951	.00103	.34428	.02671	.00377	-.00738
2.500	3.762	2.00086	.25883	4.13782	.09006	.34795	.03685	.00575	-.00695
	GRADIENT	-.00006	.11638	-.00104	.04330	-.00437	.00411	.00074	.00015

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.674	2.00080	-1.04791	4.08519	-.40104	.38303	-.00924	-.00382	-.00625
3.500	-6.624	2.00107	-.94947	4.08232	-.32923	.34675	-.00671	-.00324	-.00599
3.500	-4.574	2.00128	-.79239	4.07905	-.25127	.31711	-.00167	-.00197	-.00560
3.500	-2.514	2.00073	-.59780	4.07540	-.17705	.29617	.00077	-.00103	-.00561
3.500	-.473	2.00080	-.37499	4.07273	-.10582	.28219	.00522	.00005	-.00535
3.500	1.583	2.00045	-.13435	4.07071	-.03686	.27434	.01088	.00134	-.00470
3.500	3.627	2.00128	.14465	4.06987	.03956	.27348	.01807	.00275	-.00455
	GRADIENT	-.00001	.11403	-.00112	.03521	-.00532	.00242	.00058	.00015

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.783	1.99805	-1.04830	4.05658	-.36147	.34482	-.04626	-.00615	-.01679
4.500	-5.724	1.99805	-.95251	4.05488	-.29678	.31158	-.04566	-.00551	-.01654
4.500	-3.710	1.99864	-.80230	4.05250	-.22783	.28404	-.03892	-.00409	-.01570
4.500	-1.646	1.99805	-.61236	4.05033	-.16082	.26262	-.03573	-.00314	-.01513
4.500	.379	1.99805	-.39497	4.04879	-.09853	.24945	-.02904	-.00194	-.01386
4.500	2.424	1.99805	-.14949	4.04726	-.03601	.24087	-.02393	-.00079	-.01355
4.500	4.448	1.99864	.14034	4.04644	.03354	.23896	-.01787	.00039	-.01329
	GRADIENT	-.00000	.11516	-.00075	.03177	-.00549	.00264	.00055	.00031

LARC UPWT 1177(1A94B) OTSAT130 (TJW010) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RUN NO. 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.769	1.99957	-1.07442	6.24663	-.49064	.45665	-.02244	-.00410	-.01110
2.500	-6.673	2.00039	-.91862	6.24323	-.38273	.41664	-.01074	-.00226	-.01020
2.500	-4.554	2.00110	-.71850	6.23668	-.27683	.38528	-.00099	-.00051	-.00978
2.500	-2.478	2.00121	-.48677	6.23127	-.17741	.36446	.00924	.00123	-.00924
2.500	-.397	1.99992	-.25122	6.22619	-.08813	.35081	.01761	.00259	-.00898
2.500	1.693	1.99992	-.00350	6.22391	-.00120	.34330	.02500	.00391	-.00895
2.500	3.761	1.99992	.26592	6.22133	.09196	.34582	.03613	.00594	-.00828
	GRADIENT	-.00018	.11783	-.00183	.04393	-.00481	.00433	.00075	.00016

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.670	2.00128	-1.04941	6.17365	-.40556	.38646	-.00892	-.00391	-.00714
3.500	-6.630	2.00052	-.94943	6.16908	-.33277	.35050	-.00958	-.00351	-.00788
3.500	-4.587	2.00093	-.79446	6.16408	-.25502	.32099	-.00720	-.00230	-.00803
3.500	-2.516	2.00191	-.59657	6.15937	-.17821	.29872	-.00337	-.00134	-.00792
3.500	-.467	2.00093	-.37374	6.15583	-.10596	.28352	-.00096	-.00030	-.00795
3.500	1.590	2.00086	-.12541	6.15297	-.03464	.27619	.00956	.00139	-.00648
3.500	3.638	2.00184	.16046	6.15120	.04417	.27530	.02289	.00332	-.00481
	GRADIENT	.00004	.11582	-.00156	.03609	-.00554	.00351	.00068	.00038

RUN NO. 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.793	1.99805	-1.05123	6.12993	-.36574	.34791	-.05197	-.00671	-.01903
4.500	-5.725	1.99924	-.95850	6.12698	-.30127	.31431	-.04807	-.00573	-.01755
4.500	-3.691	1.99864	-.81245	6.12380	-.23285	.28660	-.04148	-.00409	-.01663
4.500	-1.656	1.99864	-.61423	6.12107	-.16240	.26439	-.03726	-.00307	-.01638
4.500	.382	1.99864	-.38699	6.11851	-.09692	.25045	-.03398	-.00207	-.01608
4.500	2.406	1.99864	-.12744	6.11651	-.03082	.24183	-.02380	-.00035	-.01456
4.500	4.444	1.99805	.15143	6.11444	.03645	.24071	-.01762	.00071	-.01456
	GRADIENT	-.00006	.11875	-.00115	.03296	-.00562	.00301	.00061	.00029

LARC UPWT 1177(IA94B) OTSAT130 (TJW011) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.687	2.00246	-1.01429	-6.17178	-.39374	.38819	.00399	-.00028	-.00095
3.500	-6.620	2.00322	-.91307	-6.16676	-.32287	.35361	.00713	.00000	.00002
3.500	-4.576	2.00149	-.75034	-6.16114	-.24381	.32493	.00963	.00064	.00027
3.500	-2.515	2.00357	-.55486	-6.15484	-.16818	.30311	.01024	.00083	.00030
3.500	-.464	2.00191	-.32815	-6.14974	-.09469	.28856	.01156	.00121	.00016
3.500	1.592	2.00253	-.07499	-6.14672	-.02114	.28191	.01603	.00212	.00054
3.500	3.638	2.00211	.19585	-6.14468	.05507	.28117	.02251	.00324	.00108
	GRADIENT	.00001	.11551	.00200	.03627	-.00530	.00154	.00032	.00009

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.769	1.99786	-1.01447	-6.10247	-.36213	.35697	-.02181	-.00206	-.00945
4.500	-5.750	1.99726	-.91681	-6.09879	-.29696	.32391	-.01846	-.00159	-.00865
4.500	-3.699	1.99726	-.75913	-6.09484	-.22449	.29572	-.01686	-.00105	-.00844
4.500	-1.672	1.99786	-.56226	-6.09112	-.15461	.27498	-.01442	-.00061	-.00773
4.500	.377	1.99726	-.34628	-6.08772	-.08973	.25912	-.01618	-.00064	-.00816
4.500	2.416	1.99726	-.08888	-6.08459	-.02223	.25008	-.01277	-.00012	-.00765
4.500	4.437	1.99726	.18723	-6.08244	.04666	.24920	-.00762	.00081	-.00717
	GRADIENT	-.00003	.11620	.00154	.03314	-.00579	.00099	.00021	.00013

LARC UPWT 1177(IA94B) OTSAT130 (TJW012) (02 JUL 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	-4.000	ELV-LI =	8.000
ELV-LO =	4.000	ELV-RI =	8.000
ELV-RO =	4.000		

RUN NO. 23/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.661	2.00066	-1.03297	-4.08299	-.39631	.38366	-.00157	-.00124	-.00236
3.500	-6.621	2.00045	-.93169	-4.07910	-.32424	.34802	.00090	-.00069	-.00190
3.500	-4.570	2.00100	-.76571	-4.07461	-.24455	.31937	.00336	-.00011	-.00145
3.500	-2.519	2.00010	-.56951	-4.06936	-.17039	.29918	.00720	.00049	-.00087
3.500	-.449	2.00045	-.34347	-4.06595	-.09840	.28650	.01241	.00140	-.00052
3.500	1.586	2.00003	-.10288	-4.06328	-.02874	.27933	.01497	.00205	-.00048
3.500	3.624	2.00059	.16570	-4.06196	.04612	.27832	.02082	.00318	-.00021
	GRADIENT	-.00004	.11365	.00153	.03528	-.00498	.00208	.00040	.00014

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.770	1.99726	-1.01710	-4.04721	-.35767	.35166	-.02245	-.00248	-.00987
4.500	-5.736	1.99726	-.93191	-4.04486	-.29619	.31781	-.02262	-.00227	-.00963
4.500	-3.702	1.99726	-.78153	-4.04245	-.22558	.28863	-.02096	-.00177	-.00955
4.500	-1.665	1.99726	-.58104	-4.03966	-.15583	.26820	-.01763	-.00126	-.00876
4.500	.378	1.99726	-.35676	-4.03713	-.09091	.25481	-.01258	-.00037	-.00787
4.500	2.428	1.99786	-.10413	-4.03525	-.02574	.24720	-.01008	.00024	-.00759
4.500	4.437	1.99786	.16996	-4.03355	.04166	.24513	-.00749	.00082	-.00757
	GRADIENT	.00009	.11681	.00109	.03262	-.00531	.00169	.00033	.00025

LARC UPWT 1177(1A94B) OTSAT130 (TJW013) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.689	2.00107	-1.03492	-.00504	-.39011	.37694	.01885	-.00119	.00076
3.500	-6.605	2.00073	-.93165	-.00386	-.31673	.33997	.01132	-.00080	.00145
3.500	-4.576	2.00031	-.77089	-.00333	-.24121	.31289	.01459	-.00010	.00144
3.500	-2.518	1.99989	-.57026	-.00261	-.16743	.29361	.01455	.00053	.00073
3.500	-.470	1.99927	-.34906	-.00256	-.09861	.28250	.01911	.00141	.00092
3.500	1.597	1.99927	-.10702	-.00205	-.02951	.27570	.02481	.00251	.00170
3.500	3.626	1.99989	.16472	-.00283	.04528	.27490	.03067	.00384	.00164
	GRADIENT	-.00007	.11376	.00008	.03464	-.00458	.00207	.00048	.00007

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.796	1.99904	-1.02021	-.00063	-.35232	.34534	-.03335	-.00414	-.01214
4.500	-5.713	1.99786	-.93450	-.00083	-.29131	.31173	-.03265	-.00381	-.01185
4.500	-3.679	1.99786	-.79368	-.00008	-.22616	.28495	-.02853	-.00283	-.01120
4.500	-1.660	1.99786	-.59899	.00009	-.15867	.26490	-.02612	-.00222	-.01065
4.500	.388	1.99845	-.36888	-.00031	-.09281	.25161	-.01939	-.00101	-.00950
4.500	2.413	1.99786	-.12280	-.00017	-.03005	.24472	-.01188	.00022	-.00789
4.500	4.441	1.99786	.15058	-.00009	.03662	.24319	-.00581	.00127	-.00748
	GRADIENT	.00003	.11641	-.00001	.03220	-.00511	.00294	.00052	.00050

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LARC UPWT 1177(IA94B) OTSAT130 (TJW014) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.696	2.00052	-1.03767	4.12283	-.39948	.38498	-.01541	-.00345	-.00758
3.500	-6.617	2.00121	-.93227	4.12016	-.32502	.34863	-.01226	-.00285	-.00707
3.500	-4.564	2.00086	-.77668	4.11755	-.24778	.31902	-.00784	-.00170	-.00682
3.500	-2.515	2.00121	-.58566	4.11368	-.17484	.29854	-.00668	-.00084	-.00714
3.500	-.464	2.00170	-.36555	4.11104	-.10417	.28496	-.00093	.00029	-.00657
3.500	1.607	2.00031	-.11918	4.10917	-.03308	.27753	.00346	.00153	-.00634
3.500	3.632	2.00086	.14812	4.10840	.04097	.27658	.01065	.00294	-.00619
	GRADIENT	-.00004	.11289	-.00111	.03506	-.00516	.00230	.00057	.00010

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.755	1.99786	-1.02039	4.05737	-.35425	.34717	-.03870	-.00504	-.01514
4.500	-5.725	1.99726	-.92682	4.05573	-.29126	.31425	-.03731	-.00442	-.01441
4.500	-3.703	1.99786	-.77639	4.05385	-.22306	.28731	-.03225	-.00323	-.01397
4.500	-1.660	1.99786	-.58631	4.05189	-.15626	.26651	-.02727	-.00218	-.01311
4.500	.377	1.99786	-.36571	4.04992	-.09266	.25268	-.02234	-.00112	-.01211
4.500	2.415	1.99845	-.11830	4.04854	-.02894	.24460	-.01724	.00007	-.01181
4.500	4.451	1.99786	.16826	4.04751	.04091	.24315	-.01032	.00128	-.01135
	GRADIENT	.00003	.11565	-.00079	.03215	-.00541	.00264	.00055	.00032

LARC UPWT 1177(IA94B) OTSAT130 (TJW015) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.697	2.00204	-1.04097	6.17493	-.40489	.38896	-.01689	-.00361	-.00946
3.500	-6.624	2.00170	-.93967	6.17021	-.33099	.35224	-.01888	-.00328	-.01041
3.500	-4.579	2.00170	-.78107	6.16570	-.25258	.32337	-.01582	-.00212	-.01040
3.500	-2.529	2.00156	-.58328	6.16065	-.17602	.30178	-.01141	-.00111	-.00993
3.500	-.468	2.00163	-.36366	6.15720	-.10424	.28664	-.00899	-.00010	-.00995
3.500	1.583	2.00177	-.11464	6.15419	-.03206	.27962	.00117	.00165	-.00833
3.500	3.628	2.00086	.16357	6.15214	.04565	.27906	.01620	.00360	-.00661
	GRADIENT	-.00007	.11487	-.00164	.03607	-.00540	.00373	.00069	.00045

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.761	1.99786	-1.03012	6.13196	-.36198	.35139	-.04179	-.00542	-.01690
4.500	-5.727	1.99786	-.92473	6.12826	-.29400	.31793	-.04050	-.00463	-.01606
4.500	-3.693	1.99786	-.78122	6.12515	-.22618	.28952	-.03389	-.00312	-.01497
4.500	-1.663	1.99786	-.57979	6.12263	-.15596	.26900	-.03055	-.00217	-.01479
4.500	.378	1.99726	-.35838	6.12007	-.09120	.25449	-.02542	-.00111	-.01448
4.500	2.414	1.99726	-.09728	6.11785	-.02393	.24602	-.01704	.00051	-.01310
4.500	4.431	1.99786	.16409	6.11594	.04020	.24497	-.00997	.00168	-.01303
	GRADIENT	-.00003	.11675	-.00114	.03271	-.00552	.00302	.00060	.00027

LARC UPWT 1177(IA94B) OTSAT130 (TJW016) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.736	1.99792	-1.02460	-6.23054	-.46351	.45238	-.01916	-.00298	-.00614
2.500	-6.634	1.99851	-.85714	-6.22253	-.35544	.41468	-.01293	-.00177	-.00559
2.500	-4.535	1.99827	-.65304	-6.21331	-.25139	.38495	-.00570	-.00048	-.00495
2.500	-2.468	1.99839	-.43300	-6.20669	-.15858	.36624	.00452	.00124	-.00425
2.500	-.385	1.99686	-.19685	-6.20036	-.06938	.35246	.01719	.00329	-.00331
2.500	1.698	1.99815	.03570	-6.19760	.01242	.34787	.02591	.00487	-.00281
2.500	3.756	1.99792	.30093	-6.19375	.10578	.35151	.03753	.00708	-.00220
	GRADIENT	-.00005	.11454	.00232	.04267	-.00411	.00520	.00090	.00033

LARC UPWT 1177(IA94B) OTSAT130 (TJW017) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.770	1.99945	-1.04488	-4.15088	-.47165	.45139	-.02167	-.00334	-.00779
2.500	-6.641	1.99898	-.87666	-4.14518	-.36224	.41320	-.01494	-.00194	-.00745
2.500	-4.530	1.99833	-.65665	-4.13605	-.25100	.38225	-.00580	-.00034	-.00653
2.500	-2.493	1.99921	-.44268	-4.13150	-.16110	.36392	.00296	.00123	-.00610
2.500	-.379	1.99898	-.20033	-4.12726	-.07324	.35158	.01230	.00277	-.00577
2.500	1.696	2.00004	.02296	-4.12462	.00794	.34578	.01815	.00393	-.00570
2.500	3.753	2.00039	.27389	-4.12232	.09580	.34977	.02729	.00594	-.00545
	GRADIENT	.00023	.11210	.00165	.04156	-.00400	.00392	.00074	.00012

LARC UPWT 1177(IA948) OTSAT130 (TJW018) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 31/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.738	2.00004	-1.04475	-.02151	-.46582	.44587	-.00875	-.00245	-.00604
2.500	-6.653	1.99851	-.88050	-.01974	-.35743	.40594	-.00059	-.00093	-.00535
2.500	-4.550	1.99745	-.66655	-.01725	-.24993	.37496	.00776	.00057	-.00519
2.500	-2.460	2.00192	-.44061	-.01706	-.15719	.35676	.01366	.00176	-.00534
2.500	-.389	2.00086	-.20498	-.01666	-.07123	.34749	.01820	.00286	-.00609
2.500	1.709	2.00039	.03407	-.01621	.01169	.34310	.02893	.00449	-.00526
2.500	3.759	2.00004	.27080	-.01630	.09348	.34522	.03446	.00598	-.00635
	GRADIENT	.00018	.11302	.00013	.04117	-.00352	.00330	.00065	-.00011

LARC UPWT 1177(IA948) OTSAT130 (TJW019) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 34/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.739	1.99957	-1.05522	4.13463	-.47701	.45204	-.01936	-.00331	-.01186
2.500	-6.685	2.00027	-.89890	4.13200	-.37259	.41450	-.01006	-.00172	-.01145
2.500	-4.554	1.99957	-.69399	4.12688	-.26612	.38346	-.00222	-.00028	-.01133
2.500	-2.474	1.99921	-.45854	4.12460	-.16646	.36302	.00752	.00137	-.01074
2.500	-.383	1.99980	-.21626	4.12132	-.07599	.35138	.01580	.00277	-.01025
2.500	1.695	2.00051	.01622	4.11907	.00559	.34447	.02316	.00408	-.01014
2.500	3.774	1.99968	.26971	4.11688	.09393	.34826	.03381	.00610	-.00961
	GRADIENT	.00007	.11535	-.00123	.04284	-.00427	.00421	.00074	.00019

LARC UPWT 1177(IA94B) OTSAT130 (TJW020) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.741	1.99957	-1.06137	6.24639	-.48224	.45435	-.02446	-.00354	-.01400
2.500	-6.660	1.99968	-.90123	6.24225	-.37429	.41530	-.01381	-.00178	-.01303
2.500	-4.563	1.99980	-.70013	6.23607	-.26964	.38513	-.00404	-.00008	-.01260
2.500	-2.478	2.00074	-.46677	6.23087	-.17008	.36436	.00670	.00170	-.01202
2.500	-.395	1.99980	-.23409	6.22662	-.08209	.35066	.01454	.00301	-.01172
2.500	1.689	1.99957	.01315	6.22364	.00451	.34317	.02244	.00435	-.01164
2.500	3.756	1.99980	.27932	6.22008	.09682	.34663	.03307	.00635	-.01102
	GRADIENT	-.00006	.11722	-.00188	.04362	-.00472	.00432	.00075	.00017

LARC UPWT 1177(IA94B) OTSAT130 (TJW021) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.673	2.00128	-1.02191	-6.15459	-.39592	.38743	.00023	-.00068	-.00207
3.500	-6.610	2.00156	-.91524	-6.14843	-.32223	.35206	.00334	-.00040	-.00099
3.500	-4.569	2.00114	-.74726	-6.14282	-.24147	.32314	.00648	.00030	-.00060
3.500	-2.512	2.00114	-.55444	-6.13639	-.16720	.30156	.00775	.00054	-.00041
3.500	-.455	2.00107	-.32605	-6.13150	-.09358	.28701	.00906	.00092	-.00055
3.500	1.584	2.00086	-.07596	-6.12861	-.02129	.28029	.01291	.00175	-.00031
3.500	3.632	2.00086	.20681	-6.12642	.05784	.27968	.02001	.00289	.00049
	GRADIENT	-.00004	.11642	.00198	.03632	-.00528	.00157	.00031	.00011

LARC UPWT 1177(IA94B) OTSAT130 (TJW021) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.765	1.99839	-1.01189	-6.10283	-.35885	.35464	-.01821	-.00202	-.00885
4.500	-5.725	1.99127	-.91618	-6.09985	-.29483	.32181	-.01751	-.00169	-.00872
4.500	-3.698	1.99898	-.75054	-6.09611	-.22107	.29455	-.01493	-.00111	-.00839
4.500	-1.648	1.99780	-.55397	-6.09214	-.15139	.27329	-.01252	-.00063	-.00769
4.500	.383	1.99839	-.32861	-6.08859	-.08442	.25689	-.01519	-.00069	-.00820
4.500	2.422	1.99839	-.07562	-6.08568	-.01875	.24797	-.01344	-.00032	-.00823
4.500	4.444	1.99720	.20189	-6.08316	.05008	.24805	-.00830	.00061	-.00775
	GRADIENT	-.00015	.11707	.00159	.03316	-.00582	.00061	.00018	.00004

LARC UPWT 1177(IA94B) OTSAT130 (TJW022) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 38/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.683	2.00052	-1.04061	-4.10108	-.39910	.38353	-.00216	-.00152	-.00238
3.500	-6.621	2.00128	-.93410	-4.09747	-.32421	.34708	.00098	-.00092	-.00186
3.500	-4.546	2.00003	-.77002	-4.09252	-.24485	.31798	.00351	-.00033	-.00161
3.500	-2.512	1.99975	-.57268	-4.08832	-.17058	.29785	.00861	.00038	-.00062
3.500	-.469	1.99989	-.34513	-4.08435	-.09840	.28510	.01314	.00123	-.00033
3.500	1.587	2.00003	-.09376	-4.08174	-.02604	.27778	.01698	.00199	.00002
3.500	3.631	2.00024	.17664	-4.08021	.04892	.27693	.02215	.00310	.00024
	GRADIENT	.00003	.11599	.00153	.03579	-.00499	.00223	.00041	.00021

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LARC UPWT 1177(IA94B) OTSAT130 (TJW022) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.758	1.99483	-1.02117	-4.06564	-.35671	.34931	-.02229	-.00265	-.01025
4.500	-5.736	1.99720	-.92709	-4.06336	-.29276	.31578	-.02243	-.00244	-.01001
4.500	-3.669	1.99602	-.78008	-4.06122	-.22414	.28733	-.01993	-.00187	-.00972
4.500	-1.666	1.99839	-.58492	-4.05830	-.15578	.26633	-.01830	-.00146	-.00935
4.500	.389	1.99839	-.35905	-4.05605	-.09103	.25353	-.01815	-.00065	-.00853
4.500	2.417	1.99780	-.10440	-4.05402	-.02568	.24592	-.01074	.00009	-.00832
4.500	4.445	1.99780	.17861	-4.05211	.04356	.24389	-.00817	.00062	-.00815
	GRADIENT	.00015	.11807	.00111	.03276	-.00528	.00153	.00032	.00020

LARC UPWT 1177(IA94B) OTSAT130 (TJW023) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.673	1.99975	-1.03834	-.00618	-.39069	.37627	.00840	-.00147	.00034
3.500	-6.605	2.00177	-.94015	-.00535	-.31951	.33985	.00888	-.00119	.00066
3.500	-4.556	2.00191	-.77509	-.00490	-.24139	.31143	.01473	-.00032	.00128
3.500	-2.511	1.99739	-.57917	-.00403	-.16934	.29238	.01410	.00025	.00031
3.500	-.465	1.99656	-.34764	-.00377	-.09759	.28071	.01731	.00105	.00039
3.500	1.581	1.99906	-.10284	-.00347	-.02826	.27476	.02297	.00215	.00127
3.500	3.634	2.00211	.16993	-.00367	.04644	.27330	.02945	.00349	.00137
	GRADIENT	.00010	.11560	.00015	.03501	-.00458	.00187	.00047	.00006

LARC UPWT 1177(IA94B) OTSAT130 (TJW023) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.764	1.99780	-1.01963	-.00020	-.34955	.34282	-.02386	-.00384	-.00953
4.500	-5.728	1.99661	-.92675	-.00007	-.28638	.30902	-.02323	-.00343	-.00912
4.500	-3.678	1.99720	-.78257	.00069	-.22107	.28249	-.01992	-.00252	-.00880
4.500	-1.655	1.99898	-.59078	.00065	-.15521	.26273	-.01659	-.00183	-.00817
4.500	.380	1.99424	-.34417	.00039	-.08571	.24904	-.01252	-.00081	-.00754
4.500	2.416	1.99957	-.10152	.00035	-.02459	.24222	-.00581	.00040	-.00625
4.500	4.438	1.99542	.17496	.00040	.04224	.24145	-.00060	.00137	-.00606
	GRADIENT	-.00015	.11842	-.00004	.03237	-.00505	.00243	.00049	.00036

LARC UPWT 1177(IA94B) OTSAT130 (TJW024) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.670	1.99920	-1.03581	4.08527	-.39741	.38367	-.01406	-.00370	-.00702
3.500	-6.627	2.00066	-.93526	4.08301	-.32521	.34772	-.01219	-.00321	-.00681
3.500	-4.585	1.99933	-.77856	4.07999	-.24780	.31827	-.00653	-.00192	-.00616
3.500	-2.521	2.00024	-.58336	4.07598	-.17359	.29757	-.00473	-.00100	-.00632
3.500	-.467	1.99899	-.35837	4.07323	-.10159	.28348	.00040	.00011	-.00601
3.500	1.583	1.99955	-.11934	4.07165	-.03296	.27615	.00608	.00137	-.00535
3.500	3.633	1.99913	.15918	4.07038	.04384	.27542	.01129	.00270	-.00558
	GRADIENT	-.00011	.11389	-.00115	.03524	-.00522	.00226	.00057	.00010

LARC UPWT 1177(IA94B) OTSAT130 (TJW024) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.748	1.99720	-1.02557	4.07647	-.35635	.34747	-.03940	-.00533	-.01559
4.500	-5.707	1.99780	-.92816	4.07462	-.29143	.31398	-.03705	-.00463	-.01491
4.500	-3.683	1.99780	-.77938	4.07233	-.22327	.28647	-.03206	-.00340	-.01435
4.500	-1.656	1.99898	-.58848	4.07059	-.15632	.26564	-.02792	-.00242	-.01368
4.500	.383	1.99661	-.36850	4.06855	-.09290	.25210	-.02305	-.00128	-.01272
4.500	2.416	1.99602	-.11150	4.06745	-.02724	.24429	-.01789	-.00018	-.01254
4.500	4.440	1.99839	.16128	4.06670	.03908	.24230	-.01355	.00085	-.01255
	GRADIENT	-.00009	.11607	-.00071	.03218	-.00540	.00232	.00053	.00023

LARC UPWT 1177(IA94B) OTSAT130 (TJW025) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.689	2.00024	-1.03963	6.15646	-.40282	.38746	-.01432	-.00374	-.00838
3.500	-6.615	2.00024	-.93827	6.15217	-.32996	.35167	-.01564	-.00343	-.00917
3.500	-4.568	1.99963	-.77701	6.14739	-.25022	.32203	-.01260	-.00224	-.00916
3.500	-2.515	2.00038	-.57788	6.14273	-.17344	.30013	-.00943	-.00127	-.00921
3.500	-.461	1.99969	-.35656	6.13894	-.10161	.28497	-.00703	-.00029	-.00913
3.500	1.586	1.99934	-.10533	6.13621	-.02927	.27788	.00187	.00138	-.00792
3.500	3.625	1.99913	.17007	6.13404	.04720	.27755	.01695	.00334	-.00630
	GRADIENT	-.00011	.11551	-.00162	.03607	-.00543	.00343	.00067	.00034

LARC UPWT 1177(IA94B) OTSAT130 (TJW025) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.761	1.99839	-1.03116	6.11330	-.36190	.35097	-.04676	-.00604	-.01837
4.500	-5.729	1.99602	-.93276	6.10995	-.29606	.31741	-.04372	-.00510	-.01741
4.500	-3.692	1.99661	-.77794	6.10655	-.22448	.28856	-.03711	-.00354	-.01632
4.500	-1.658	1.99839	-.58819	6.10459	-.15778	.26824	-.03285	-.00251	-.01606
4.500	.369	1.99780	-.35891	6.10178	-.09110	.25381	-.02867	-.00149	-.01569
4.500	2.402	1.99839	-.10446	6.09969	-.02569	.24591	-.01934	.00016	-.01437
4.500	4.444	1.99720	.17194	6.09762	.04203	.24443	-.01322	.00126	-.01424
	GRADIENT	.00006	.11724	-.00112	.03271	-.00544	.00301	.00060	.00029

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (TJW026) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.759	2.00263	-1.05457	-6.23091	-.47788	.45315	-.03326	-.00466	-.00592
2.500	-6.649	2.00286	-.90076	-6.22330	-.37449	.41575	-.02648	-.00363	-.00547
2.500	-4.546	2.00251	-.69847	-6.21391	-.26878	.38481	-.01727	-.00215	-.00468
2.500	-2.497	2.00322	-.47602	-6.20646	-.17371	.36491	-.00606	-.00037	-.00390
2.500	-.388	2.00345	-.23376	-6.19960	-.08192	.35046	.00707	.00172	-.00292
2.500	1.690	2.00439	-.00005	-6.19725	-.00002	.34478	.01582	.00338	-.00266
2.500	3.752	2.00404	.25709	-6.19431	.08950	.34813	.02790	.00554	-.00185
	GRADIENT	.00020	.11486	.00233	.04283	-.00450	.00540	.00092	.00033

LARC UPWT 1177(IA94B) OTSAT130 (TJW026) (02 JUL 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	-6.000	ELV-LI =	.000
ELV-LO =	.000	ELV-RI =	.000
ELV-RO =	.000		

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.695	2.00343	-1.05643	-6.15469	-.41152	.38954	-.00523	-.00206	-.00320
3.500	-6.634	2.00309	-.95140	-6.14893	-.33673	.35394	-.00271	-.00181	-.00249
3.500	-4.580	2.00378	-.78319	-6.14326	-.25332	.32345	.00105	-.00101	-.00195
3.500	-2.537	2.00350	-.59069	-6.13731	-.17796	.30128	.00296	-.00071	-.00161
3.500	-.469	2.00399	-.36607	-6.13249	-.10475	.28614	.00559	-.00026	-.00153
3.500	1.585	2.00420	-.11552	-6.12938	-.03216	.27843	.01071	.00068	-.00099
3.500	3.640	2.00385	.16730	-6.12753	.04643	.27753	.01783	.00183	-.00029
	GRADIENT	.00004	.11556	.00192	.03625	-.00558	.09201	.00034	.00019

RUN NO. 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.760	1.99853	-1.03157	-6.10432	-.36599	.35479	-.04587	-.00482	-.01374
4.500	-5.727	1.99794	-.93058	-6.10116	-.29906	.32137	-.04340	-.00438	-.01317
4.500	-3.692	1.99853	-.76995	-6.09705	-.22632	.29394	-.04090	-.00376	-.01288
4.500	-1.674	1.99912	-.57355	-6.09336	-.15654	.27293	-.03926	-.00340	-.01250
4.500	.380	1.99794	-.35147	-6.08990	-.09021	.25666	-.04020	-.00330	-.01275
4.500	2.413	1.99853	-.09685	-6.08684	-.02395	.24726	-.03672	-.00283	-.01235
4.500	4.447	1.99912	.18070	-6.08426	.04451	.24630	-.03079	-.00182	-.01140
	GRADIENT	.00003	.11677	.00158	.03311	-.00594	.00112	.00022	.00015

LARC UPWT 1177(IA94B) OTSAT130 (TJW027) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.741	2.00357	-1.06781	-4.15079	-.48066	.45014	-.03248	-.00507	-.00636
2.500	-6.639	2.00345	-.90821	-4.14516	-.37430	.41213	-.02422	-.00357	-.00597
2.500	-4.548	2.00498	-.70960	-4.13839	-.27129	.38231	-.01697	-.00216	-.00557
2.500	-2.467	2.00463	-.48816	-4.13182	-.17681	.36220	-.00672	-.00042	-.00511
2.500	-.392	2.00428	-.25213	-4.12865	-.08814	.34959	.00215	.00112	-.00506
2.500	1.690	2.00263	-.01324	-4.12432	-.00452	.34150	.00898	.00237	-.00485
2.500	3.770	1.99886	.24877	-4.12190	.08616	.34633	.01962	.00457	-.00442
	GRADIENT	-.00068	.11502	.00195	.04267	-.00446	.00427	.00078	.00012

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.707	2.00170	-1.06867	-4.08368	-.41114	.38472	-.00449	-.00269	-.00243
3.500	-6.624	2.00156	-.96102	-4.07994	-.33395	.34750	-.00131	-.00208	-.00202
3.500	-4.582	2.00080	-.79682	-4.07595	-.25313	.31768	.00121	-.00143	-.00188
3.500	-2.513	2.00052	-.59816	-4.07083	-.17759	.29690	.00570	-.00078	-.00114
3.500	-.470	2.00121	-.37313	-4.06751	-.10579	.28353	.01090	.00013	-.00079
3.500	1.590	2.00163	-.12997	-4.06511	-.03586	.27588	.01411	.00081	-.00059
3.500	3.634	2.00198	.15119	-4.06336	.04157	.27495	.01988	.00197	-.00012
	GRADIENT	.00017	.11512	.00151	.03560	-.00519	.00223	.00041	.00020

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.762	1.99912	-1.02906	-4.06720	-.35948	.34932	-.04572	-.00516	-.01368
4.500	-5.716	1.99912	-.93922	-4.06498	-.29610	.31526	-.04585	-.00495	-.01358
4.500	-3.695	1.99912	-.79124	-4.06244	-.22716	.28709	-.04330	-.00438	-.01343
4.500	-1.648	1.99853	-.58625	-4.05971	-.15568	.26556	-.04172	-.00393	-.01307
4.500	.381	1.99853	-.36817	-4.05740	-.09312	.25293	-.03751	-.00316	-.01238
4.500	2.418	1.99912	-.11876	-4.05564	-.02906	.24469	-.03497	-.00254	-.01223
4.500	4.455	1.99853	.16284	-4.05387	.03957	.24301	-.03241	-.00201	-.01207
	GRADIENT	-.00003	.11664	.00104	.03241	-.00535	.00140	.00030	.00017

LARC UPWT 1177(IA94B) OTSAT130 (TJW028) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.737	2.00204	-1.07552	-.02313	-.48101	.44724	-.03027	-.00495	-.00688
2.500	-6.639	2.00192	-.92308	-.01965	-.37657	.40795	-.02054	-.00334	-.00621
2.500	-4.541	2.00169	-.71448	-.01812	-.26913	.37668	-.00980	-.00165	-.00546
2.500	-2.471	2.00086	-.48884	-.01688	-.17468	.35733	-.00141	-.00025	-.00536
2.500	-.384	2.00063	-.26239	-.01656	-.09113	.34731	.00359	.00081	-.00582
2.500	1.678	2.00227	-.03490	-.01599	-.01193	.34182	.01291	.00230	-.00541
2.500	3.755	2.00145	.21795	-.01497	.07474	.34292	.02131	.00404	-.00581
	GRADIENT	.00004	.11180	.00035	.04101	-.00400	.00369	.00067	-.00004

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.694	2.00086	-1.07064	-.00573	-.40616	.37936	-.01080	-.00361	-.00382
3.500	-6.608	2.00093	-.97393	-.00542	-.33288	.34179	-.00692	-.00311	-.00322
3.500	-4.580	2.00232	-.82095	-.00473	-.25725	.31335	-.00101	-.00220	-.00280
3.500	-2.530	2.00225	-.62557	-.00407	-.18362	.29352	-.00038	-.00156	-.00346
3.500	-.466	2.00191	-.39998	-.00402	-.11253	.28135	.00545	-.00062	-.00285
3.500	1.578	2.00274	-.15218	-.00387	-.04168	.27389	.01238	.00055	-.00155
3.500	3.625	2.00239	.11987	-.00419	.03263	.27224	.01819	.00184	-.00140
	GRADIENT	.00003	.11477	.00006	.03517	-.00497	.00249	.00050	.00023

RUN NO. 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.775	1.99737	-1.03907	-.01952	-.35625	.34285	-.05744	-.00704	-.01630
4.500	-5.717	1.99853	-.94635	-.01951	-.29282	.30942	-.05587	-.00658	-.01580
4.500	-3.691	1.99794	-.79933	-.01934	-.22594	.28266	-.05259	-.00564	-.01549
4.500	-1.668	1.99853	-.61011	-.01895	-.16019	.26257	-.04846	-.00487	-.01453
4.500	.380	1.99912	-.39507	-.01923	-.09830	.24881	-.04345	-.00386	-.01365
4.500	2.423	1.99912	-.13792	-.01919	-.03333	.24170	-.03677	-.00265	-.01238
4.500	4.450	1.99912	.13024	-.01913	.03127	.24010	-.03075	-.00160	-.01184
	GRADIENT	.00014	.11443	.00001	.03148	-.00520	.00272	.00051	.00046

LARC UPWT 1177(1A94B) OTSAT130 (TJW029) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.771	2.00133	-1.08718	4.15109	-.49140	.45199	-.02955	-.00519	-.00887
2.500	-6.658	2.00416	-.92940	4.14815	-.38402	.41320	-.02016	-.00360	-.00869
2.500	-4.576	2.00286	-.73101	4.14648	-.27928	.38205	-.01233	-.00211	-.00865
2.500	-2.475	2.00333	-.49840	4.14155	-.17997	.36109	-.00206	-.00047	-.00809
2.500	-.397	2.00392	-.26627	4.13849	-.09292	.34898	.00525	.00087	-.00784
2.500	1.673	2.00428	-.02621	4.13712	-.00895	.34153	.01408	.00231	-.00754
2.500	3.747	2.00275	.23561	4.13531	.08121	.34470	.02476	.00436	-.00716
	GRADIENT	.00004	.11567	-.00129	.04290	-.00454	.00434	.00076	.00017

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.686	2.00128	-1.06348	4.10387	-.40787	.38352	-.01663	-.00494	-.00614
3.500	-6.638	2.00107	-.96103	4.10136	-.33342	.34694	-.01406	-.00432	-.00610
3.500	-4.590	2.00239	-.79847	4.09812	-.25304	.31691	-.00838	-.00300	-.00555
3.500	-2.532	2.00114	-.60552	4.09426	-.17910	.29578	-.00524	-.00206	-.00550
3.500	-.464	2.00128	-.38106	4.09152	-.10734	.28168	-.00143	-.00104	-.00539
3.500	1.585	2.00156	-.14008	4.08972	-.03839	.27403	.00556	.00033	-.00453
3.500	3.624	2.00135	.13997	4.08879	.03821	.27298	.01069	.00160	-.00444
	GRADIENT	-.00008	.11399	-.00113	.03520	-.00534	.00238	.00056	.00016

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.765	1.99853	-1.03456	4.07430	-.35782	.34586	-.06217	-.00791	-.01813
4.500	-5.734	1.99912	-.93679	4.07250	-.29280	.31256	-.05982	-.00721	-.01745
4.500	-3.680	1.99912	-.78864	4.07022	-.22477	.28501	-.05487	-.00598	-.01675
4.500	-1.646	1.99912	-.59017	4.06814	-.15616	.26460	-.04896	-.00485	-.01596
4.500	.377	1.99912	-.37067	4.06647	-.09309	.25115	-.04400	-.00375	-.01510
4.500	2.428	1.99912	-.12601	4.06537	-.03059	.24277	-.03976	-.00263	-.01501
4.500	4.442	1.99912	.15405	4.06419	.03712	.24096	-.03290	-.00147	-.01427
	GRADIENT	.00000	.11563	-.00073	.03196	-.00541	.00262	.00055	.00029

LARC UPWT 117/(IA948) OTSAT130 (TJW030) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.762	2.00357	-1.09275	6.24765	-.49590	.45381	-.03567	-.00553	-.01085
2.500	-6.655	2.00310	-.93420	6.24333	-.38735	.41464	-.02396	-.00371	-.01003
2.500	-4.571	2.00357	-.74192	6.23752	-.28477	.38383	-.01418	-.00199	-.00968
2.500	-2.486	2.00263	-.50715	6.23233	-.18342	.36167	-.00249	-.00014	-.00887
2.500	-.397	2.00463	-.27195	6.22644	-.09462	.34793	.00584	.00126	-.00861
2.500	1.684	2.00333	-.02909	6.22413	-.00990	.34036	.01277	.00253	-.00877
2.500	3.751	2.00239	.24825	6.22255	.08529	.34356	.02389	.00460	-.00812
	GRADIENT	-.00008	.11810	-.00183	.04390	-.00490	.00439	.00076	.00015

RUN NO. 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.679	2.00177	-1.06511	6.05918	-.41243	.38721	-.01571	-.00494	-.00678
3.500	-6.648	2.00170	-.96412	6.05489	-.33814	.35072	-.01634	-.00454	-.00762
3.500	-4.568	2.00149	-.80110	6.05017	-.25704	.32086	-.01333	-.00334	-.00751
3.500	-2.522	2.00121	-.60407	6.04496	-.18044	.29870	-.00750	-.00225	-.00713
3.500	-.471	2.00093	-.37979	6.04144	-.10756	.28320	-.00572	-.00129	-.00731
3.500	1.599	2.00114	-.12656	6.03871	-.03490	.27578	.00314	.00037	-.00600
3.500	3.638	2.00128	.15502	6.03701	.04265	.27512	.01807	.00233	-.00397
	GRADIENT	-.00002	.11639	-.00159	.03628	-.00557	.00358	.00068	.00040

RUN NO. 63/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.756	1.99912	-1.03791	6.13000	-.36180	.34858	-.06617	-.00840	-.01981
4.500	-5.728	1.99912	-.93878	6.12708	-.29732	.31670	-.06223	-.00739	-.01862
4.500	-3.702	1.99853	-.79505	6.12375	-.22955	.28872	-.05480	-.00576	-.01734
4.500	-1.647	1.99912	-.59115	6.12074	-.15768	.26673	-.05139	-.00476	-.01743
4.500	.380	1.99912	-.36214	6.11805	-.09145	.25252	-.04547	-.00363	-.01664
4.500	2.423	1.99972	-.10437	6.11614	-.02546	.24398	-.03708	-.00205	-.01525
4.500	4.445	1.99912	.17207	6.11398	.04182	.24305	-.03095	-.00096	-.01513
	GRADIENT	.00009	.11887	-.00119	.03315	-.00561	.00304	.00060	.00032

LARC UPWT 117/(IA948) OTSAT130 (INVERTED) (TJW031) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-3.951	2.00133	-.64654	.00550	-.23952	.37047	-.00450	-.00078	-.00495
2.500	-1.866	2.00239	-.42338	.00682	-.14970	.35357	-.00045	.00025	-.00572
2.500	.226	2.00039	-.19690	.00665	-.06788	.34477	.00838	.00165	-.00527
2.500	1.383	2.00098	-.07074	.00699	-.02417	.34168	.01567	.00267	-.00451
2.500	2.312	1.99650	.03500	.00685	.01188	.33944	.01912	.00329	-.00437
2.500	4.396	1.99745	.29608	.00656	.10160	.34316	.02943	.00534	-.00449
2.500	6.464	1.99803	.57002	.00802	.20320	.35647	.04747	.00824	-.00331
2.500	8.574	1.99780	.80828	.00757	.30691	.37970	.06493	.01126	-.00214
	GRADIENT	-.00061	.11199	.00011	.04038	-.00340	.00420	.00073	.00012

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-3.744	2.00232	-.73253	.01351	-.22588	.30836	.01126	-.00048	-.00109
3.500	-1.697	2.00253	-.52304	.01360	-.15191	.29043	.01388	.00024	-.00137
3.500	.363	2.00232	-.29198	.01395	-.08153	.27924	.01829	.00115	-.00078
3.500	2.427	2.00198	-.03348	.01371	-.00914	.27286	.02468	.00237	-.00005
3.500	4.477	2.00156	.23932	.01356	.06537	.27313	.02991	.00354	-.00015
3.500	6.523	2.00274	.51790	.01373	.14509	.28015	.03322	.00448	-.00071
3.500	8.575	2.00232	.78635	.01441	.23068	.29336	.03515	.00553	-.00150
	GRADIENT	-.00010	.11832	.00001	.03527	-.00428	.00234	.00049	.00016

RUN NO. 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-4.512	1.99968	-.85539	-.00432	-.25175	.29430	-.04046	-.00397	-.01392
4.500	-2.491	1.99968	-.68809	-.00384	-.18672	.27136	-.03540	-.00313	-.01302
4.500	-.428	1.99908	-.47005	-.00399	-.11951	.25425	-.03208	-.00239	-.01254
4.500	1.597	1.99908	-.23594	-.00385	-.05764	.24429	-.02626	-.00127	-.01148
4.500	3.647	1.99908	.03474	-.00344	.00836	.24065	-.02119	-.00025	-.01088
4.500	5.573	1.99968	.32346	-.00317	.07827	.24199	-.01687	.00056	-.01059
4.500	7.709	1.99908	.61164	-.00282	.15294	.25004	-.00986	.00186	-.01055
	GRADIENT	-.00009	.10941	.00009	.03182	-.00658	.00234	.00046	.00037

ORIGINAL PAGE IS OF POOR QUALITY

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 117/(IA94B) OTSAT130 (TJW032) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.487	1.99521	-1.07893	-6.22753	-.48390	.44850	-.03814	-.00510	-.00580
2.500	-6.365	1.99474	-.91428	-6.22207	-.37735	.41273	-.02993	-.00369	-.00501
2.500	-4.280	1.99933	-.70835	-6.21086	-.27119	.38285	-.02113	-.00217	-.00434
2.500	-2.192	1.99945	-.47553	-6.20254	-.17227	.36227	-.00892	-.00023	-.00349
2.500	-.118	1.99933	-.24979	-6.19758	-.08723	.34922	.00280	.00167	-.00276
2.500	1.945	1.99957	-.02131	-6.19528	-.00735	.34474	.01204	.00327	-.00222
2.500	4.033	1.99921	.24567	-6.19057	.08557	.34831	.02562	.00560	-.00123
	GRADIENT	-.00001	.11378	.00230	.04231	-.00417	.00551	.00092	.00036

RUN NO. 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.419	2.00017	-1.07732	-6.15602	-.41797	.38798	-.00481	-.00146	-.00315
3.500	-6.350	2.00059	-.97107	-6.14979	-.34202	.35221	-.00154	-.00117	-.00258
3.500	-4.306	1.99989	-.80670	-6.14403	-.26025	.32261	.00226	-.00038	-.00213
3.500	-2.270	2.00003	-.61684	-6.13766	-.18504	.29998	.00484	-.00002	-.00174
3.500	-.180	2.00052	-.38087	-6.13290	-.10862	.28519	.00614	.00039	-.00189
3.500	1.865	2.00031	-.12984	-6.12967	-.03616	.27848	.01196	.00135	-.00128
3.500	3.889	2.00045	.15454	-6.12769	.04283	.27714	.01842	.00244	-.00063
	GRADIENT	.00007	.11737	.00198	.03678	-.00548	.00192	.00034	.00017

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.522	1.99913	-1.07027	-6.12173	-.37653	.35181	-.02469	-.00282	-.01126
4.500	-5.442	1.99859	-.95846	-6.11826	-.30488	.31810	-.02226	-.00230	-.01070
4.500	-3.419	1.99859	-.79882	-6.11438	-.23275	.29137	-.01887	-.00161	-.01034
4.500	-1.397	1.99859	-.61152	-6.11047	-.16522	.27017	-.01722	-.00120	-.01011
4.500	.645	1.99859	-.38677	-6.10686	-.09813	.25372	-.01727	-.00107	-.01013
4.500	2.685	1.99859	-.12463	-6.10444	-.03057	.24530	-.01375	-.00059	-.00988
4.500	4.711	1.99859	.15613	-6.10142	.03813	.24423	-.00950	.00026	-.00947
	GRADIENT	.00000	.11783	.00157	.03325	-.00586	.00109	.00021	.00010

LARC UPWT 1177(IA948) OTSAT130 (TJW033) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.477	1.99921	-1.09348	-4.15205	-.49078	.44882	-.03488	-.00517	-.00564
2.500	-6.373	1.99933	-.91680	-4.14440	-.37596	.41008	-.02516	-.00351	-.00491
2.500	-4.292	1.99968	-.71991	-4.13531	-.27376	.38027	-.01689	-.00191	-.00460
2.500	-2.208	1.99909	-.49128	-4.13097	-.17738	.36105	-.00717	-.00021	-.00403
2.500	-.122	1.99957	-.27365	-4.12729	-.09556	.34921	.00127	.00124	-.00408
2.500	1.954	2.00027	-.03579	-4.12666	-.01228	.34313	.00765	.00245	-.00405
2.500	4.028	1.99957	.22742	-4.12147	.07876	.34632	.01876	.00459	-.00342
	GRADIENT	.00005	.11297	.00154	.04183	-.00413	.00414	.00075	.00011

RUN NO. 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.404	2.00086	-1.09066	-4.10158	-.41698	.38232	-.00394	-.00215	-.00266
3.500	-6.363	2.00045	-.98194	-4.09747	-.33992	.34618	-.00139	-.00156	-.00251
3.500	-4.305	2.00086	-.81919	-4.09320	-.25920	.31641	.00308	-.00078	-.00190
3.500	-2.248	2.00121	-.62279	-4.08845	-.18403	.29550	.00689	-.00011	-.00133
3.500	-.204	2.00038	-.40072	-4.08504	-.11325	.28262	.01212	.00077	-.00098
3.500	1.853	2.00093	-.15288	-4.08221	-.04216	.27574	.01536	.00144	-.00088
3.500	3.894	2.00095	.13374	-4.08068	.03669	.27433	.02049	.00255	-.00056
	GRADIENT	-.00001	.11589	.00153	.03579	-.00507	.00211	.00040	.00015

RUN NO. 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.515	1.99853	-1.07283	-4.06593	-.37198	.34673	-.02536	-.00320	-.01169
4.500	-5.463	1.99978	-.97531	-4.06371	-.30536	.31309	-.02629	-.00301	-.01193
4.500	-3.424	1.99978	-.83466	-4.06133	-.23703	.28398	-.02467	-.00243	-.01166
4.500	-1.406	1.99919	-.63791	-4.05860	-.16781	.26305	-.02217	-.00195	-.01143
4.500	.649	1.99859	-.41179	-4.05622	-.10295	.25001	-.01800	-.00114	-.01074
4.500	2.676	1.99919	-.14657	-4.05425	-.03559	.24282	-.01460	-.00045	-.01039
4.500	4.713	1.99978	.13810	-4.05255	.03325	.24079	-.01203	.00008	-.01022
	GRADIENT	-.00000	.11971	.00108	.03305	-.00524	.00161	.00032	.00021

LARC UPWT 117(IA948) OTSAT130 (TJW034) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 65/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.468	1.99556	-1.10323	-.00675	-.48925	.44347	-.02993	-.00490	-.00500
2.500	-6.380	1.99521	-.94818	-.00506	-.38372	.40470	-.02065	-.00330	-.00445
2.500	-4.290	1.99803	-.72085	-.00314	-.26910	.37332	-.01030	-.00150	-.00414
2.500	-2.195	1.99899	-.49521	.00007	-.17555	.35450	-.00432	-.00028	-.00454
2.500	-.107	1.99899	-.26823	-.00047	-.09263	.34534	-.00020	.00070	-.00546
2.500	1.947	1.99886	-.03667	-.00039	-.01249	.34051	.00864	.00219	-.00517
2.500	4.032	1.99886	.21784	.00047	.07439	.34151	.01798	.00397	-.00518
	GRADIENT	.00007	.11238	.00033	.04090	-.00374	.00334	.00065	-.00013

RUN NO. 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.398	1.99989	-1.09323	-.02288	-.41194	.37680	-.00968	-.00308	-.00358
3.500	-6.360	2.00024	-.99823	-.02253	-.34003	.34063	-.00582	-.00261	-.00288
3.500	-4.318	2.00003	-.83960	-.02172	-.26213	.31220	.00072	-.00162	-.00231
3.500	-2.258	1.99955	-.64191	-.02136	-.18755	.29217	.00070	-.00099	-.00313
3.500	-.195	2.00059	-.41435	-.02123	-.11597	.27988	.00586	-.00005	-.00268
3.500	1.844	2.00100	-.17581	-.02093	-.04805	.27331	.01350	.00111	-.00132
3.500	3.889	1.99975	.10245	-.02134	.02785	.27180	.02000	.00246	-.00112
	GRADIENT	.00004	.11454	.00006	.03507	-.00486	.00250	.00050	.00020

RUN NO. 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.502	1.99913	-1.07672	-.00157	-.36696	.34081	-.03547	-.00496	-.01333
4.500	-5.443	1.99919	-.97881	-.00156	-.30068	.30720	-.03564	-.00462	-.01325
4.500	-3.426	1.99919	-.84121	-.00102	-.23602	.28057	-.02973	-.00349	-.01246
4.500	-1.395	1.99919	-.64906	-.00079	-.16900	.26038	-.02646	-.00271	-.01185
4.500	.648	1.99919	-.40989	-.00104	-.10110	.24664	-.02147	-.00170	-.01098
4.500	2.701	1.99978	-.15177	-.00106	-.03644	.24013	-.01306	-.00039	-.00929
4.500	4.732	1.99919	.12563	-.00094	.02997	.23857	-.00790	.00058	-.00895
	GRADIENT	.00003	.11910	-.00001	.03256	-.00511	.00280	.00051	.00047

LARC UPWT 1177(IA948) OTSAT130 (TJW035) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 68/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.472	1.99909	-1.11196	4.13368.	-.50093	.45049	-.03196	-.00528	-.00800
2.500	-6.412	1.99968	-.94708	4.13104	-.39068	.41251	-.02254	-.00364	-.00799
2.500	-4.292	2.00039	-.74957	4.12688	-.28592	.38145	-.01368	-.00207	-.00786
2.500	-2.205	2.00074	-.51719	4.12368	-.18653	.36066	-.00342	-.00042	-.00722
2.500	-.128	1.99933	-.28429	4.12170	-.09921	.34896	.00395	.00097	-.00721
2.500	1.945	2.00004	-.04778	4.11950	-.01635	.34209	.01135	.00229	-.00718
2.500	4.018	1.99945	.21194	4.11805	.07309	.34487	.02202	.00431	-.00672
	GRADIENT	-.00012	.11518	-.00105	.04277	-.00442	.00415	.00074	.00011

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.399	2.00128	-1.08881	4.10230	-.41502	.38117	-.01613	-.00453	-.00605
3.500	-6.367	2.00100	-.97963	4.09988	-.33817	.34520	-.01158	-.00381	-.00563
3.500	-4.328	2.00135	-.82583	4.09677	-.26081	.31582	-.00780	-.00262	-.00565
3.500	-2.261	2.00114	-.63536	4.09334	-.18711	.29450	-.00403	-.00159	-.00545
3.500	-.194	2.00149	-.40467	4.09045	-.11356	.28061	.00045	-.00051	-.00529
3.500	1.866	2.00052	-.16455	4.08901	-.04497	.27330	.00680	.00080	-.00458
3.500	3.894	2.00114	.11669	4.08796	.03175	.27208	.01193	.00207	-.00450
	GRADIENT	-.00005	.11449	-.00107	.03535	-.00529	.00244	.00057	.00015

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.500	1.99913	-1.08329	4.07445	-.37205	.34344	-.04351	-.00622	-.01624
4.500	-5.479	1.99919	-.97776	4.07303	-.30406	.31098	-.03941	-.00541	-.01529
4.500	-3.454	1.99919	-.82947	4.07086	-.23459	.28282	-.03528	-.00413	-.01509
4.500	-1.393	1.99919	-.63790	4.06890	-.16648	.26099	-.02940	-.00304	-.01415
4.500	.641	1.99978	-.41350	4.06758	-.10278	.24857	-.02356	-.00182	-.01323
4.500	2.689	1.99978	-.15391	4.06623	-.03702	.24051	-.01854	-.00068	-.01265
4.500	4.724	1.99978	.12894	4.06514	.03072	.23828	-.01422	.00031	-.01267
	GRADIENT	.00009	.11745	-.00069	.03230	-.00536	.00259	.00055	.00031

LARC UPWT 1177(IA948) OTSAT130 (TJW036) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RUN NO. 69/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.496	1.99968	-1.11795	6.23014	-.50667	.45321	-.03946	-.00573	-.01064
2.500	-6.395	2.00063	-.96057	6.22572	-.39786	.41419	-.02724	-.00383	-.00970
2.500	-4.295	2.00110	-.76738	6.21983	-.29424	.38344	-.01745	-.00211	-.00935
2.500	-2.203	2.00051	-.53410	6.21466	-.19318	.36169	-.00618	-.00028	-.00881
2.500	-.123	2.00086	-.29244	6.21111	-.10185	.34828	.00271	.00119	-.00867
2.500	1.959	2.00098	-.04137	6.20883	-.01409	.34069	.00961	.00249	-.00876
2.500	4.027	1.99992	.22135	6.20546	.07608	.34370	.02027	.00444	-.00814
	GRADIENT	-.00009	.11872	-.00166	.04421	-.00483	.00438	.00076	.00012

RUN NO. 74/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.407	2.00156	-1.09287	6.17418	-.42062	.38488	-.01520	-.00456	-.00569
3.500	-6.375	2.00128	-.98619	6.16980	-.34400	.34882	-.01577	-.00416	-.00773
3.500	-4.319	2.00184	-.82844	6.16446	-.26434	.31908	-.01337	-.00298	-.00787
3.500	-2.242	2.00177	-.62845	6.16002	-.18677	.29719	-.00824	-.00188	-.00756
3.500	-.196	2.00107	-.40704	6.15627	-.11492	.28232	-.00513	-.00085	-.00752
3.500	1.854	2.00170	-.14948	6.15356	-.04114	.27522	.00437	.00088	-.00606
3.500	3.899	2.00170	.13289	6.15173	.03644	.27419	.01800	.00275	-.00435
	GRADIENT	-.00002	.11695	-.00156	.03639	-.00545	.00357	.00069	.00042

RUN NO. 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.530	1.99973	-1.08623	6.11239	-.37576	.34593	-.05099	-.00676	-.01992
4.500	-5.456	1.99919	-.98492	6.10938	-.30847	.31319	-.04622	-.00575	-.01738
4.500	-3.451	1.99919	-.84187	6.10676	-.24099	.28625	-.03867	-.00417	-.01636
4.500	-1.385	1.99978	-.64228	6.10381	-.16958	.26403	-.03523	-.00325	-.01644
4.500	-.489	1.99919	-.54691	6.10266	-.14040	.25671	-.03354	-.00276	-.01650
4.500	.637	1.99919	-.41152	6.10100	-.10276	.24971	-.03020	-.00215	-.01586
4.500	2.678	2.00037	-.14609	6.09906	-.03540	.24230	-.02101	-.00047	-.01414
	GRADIENT	.00015	.11366	-.00127	.03349	-.00715	.00285	.00060	.00036

LARC UPWT 1177(IA94B) OTSAT130 (TJW037) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.673	2.00003	-1.03633	-6.17413	-.40151	.38743	.00407	-.00048	-.00092
3.500	-6.623	1.99982	-.92449	-6.16822	-.32560	.35219	.00661	-.00025	-.00020
3.500	-4.572	1.99927	-.75994	-6.16267	-.24525	.32273	.00975	.00045	.00020
3.500	-2.521	2.00059	-.56592	-6.15645	-.17005	.30048	.01230	.00077	.00070
3.500	-.467	2.00059	-.33702	-6.15147	-.09636	.28591	.01492	.00126	.00077
3.500	1.591	1.99982	-.07599	-6.14812	-.02123	.27933	.02072	.00223	.00147
3.500	3.628	2.00010	.19709	-6.14626	.05486	.27833	.02655	.00329	.00186
	GRADIENT	.00004	.11719	.00201	.03652	-.00536	.00205	.00035	.00020

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.771	1.99791	-1.01190	-6.10490	-.35570	.35152	-.02428	-.00242	-.01018
4.500	-5.751	1.99919	-.90591	-6.10155	-.28908	.31911	-.02177	-.00202	-.00958
4.500	-3.700	1.99791	-.74273	-6.09733	-.21719	.29242	-.01839	-.00133	-.00924
4.500	-1.654	1.99650	-.53921	-6.09363	-.14612	.27099	-.01682	-.00092	-.00873
4.500	.386	1.99850	-.31716	-6.08987	-.08095	.25522	-.01772	-.00087	-.00896
4.500	2.419	1.99791	-.06162	-6.08717	-.01521	.24677	-.01508	-.00042	-.00892
4.500	4.454	1.99791	.22404	-6.08459	.05519	.24634	-.00993	.00051	-.00844
	GRADIENT	-.00003	.11829	.00157	.03315	-.00571	.00092	.00021	.00007

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OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (TJW038) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.670	1.99969	-1.04981	-4.10247	-.40090	.38188	.00358	-.00125	-.00055
3.500	-6.610	2.00038	-.93957	-4.09845	-.32503	.34592	.00739	-.00059	.00002
3.500	-4.560	2.00066	-.77163	-4.09384	-.24435	.31666	.01054	.00009	.00043
3.500	-2.516	2.00038	-.57665	-4.08921	-.17061	.29587	.01503	.00074	.00116
3.500	-.463	2.00052	-.34759	-4.08568	-.09851	.28342	.02023	.00165	.00151
3.500	1.588	2.00052	-.09926	-4.08307	-.02745	.27655	.02347	.00235	.00160
3.500	3.631	2.00135	.18107	-4.08181	.04989	.27554	.02862	.00346	.00182
	GRADIENT	.00007	.11631	.00147	.03571	-.00496	.00218	.00041	.00016

RUN NO. 87/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.773	1.99850	-1.02195	-4.06710	-.35443	.34681	-.02493	-.00288	-.01045
4.500	-5.739	1.99791	-.91902	-4.06482	-.28817	.31356	-.02504	-.00262	-.01049
4.500	-3.714	1.99850	-.77052	-4.06228	-.21967	.28509	-.02165	-.00201	-.00999
4.500	-1.669	1.99850	-.57593	-4.05961	-.15231	.26447	-.01832	-.00150	-.00920
4.500	.382	1.99791	-.34792	-4.05739	-.08756	.25167	-.01415	-.00065	-.00853
4.500	2.409	1.99732	-.08270	-4.05520	-.02025	.24481	-.01158	-.00003	-.00852
4.500	4.441	1.99850	.19993	-4.05350	.04856	.24289	-.00991	.00047	-.00843
	GRADIENT	-.00006	.11937	.00108	.03279	-.00511	.00148	.00032	.00019

LARC UPWT 117/(IA94B) OTSAT130 (TJW039) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.671	1.99941	-1.05818	-.00638	-.39739	.37554	.00042	-.00192	-.00095
3.500	-6.614	2.00003	-.95453	-.00625	-.32418	.33962	.00363	-.00148	-.00041
3.500	-4.568	1.99948	-.79535	-.00529	-.24774	.31148	.01019	-.00055	.00017
3.500	-2.518	1.99969	-.59816	-.00463	-.17442	.29160	.00953	.00002	-.00080
3.500	-.462	1.99975	-.36628	-.00452	-.10280	.28067	.01601	.00101	-.00004
3.500	1.106	1.99920	-.18059	-.00468	-.04967	.27504	.02105	.00188	.00093
3.500	1.583	1.99989	-.11751	-.00459	-.03220	.27403	.02299	.00221	.00106
3.500	3.625	1.99996	.15501	-.00478	.04231	.27296	.02881	.00351	.00120
	GRADIENT	.00004	.11566	.00005	.03519	-.00473	.00246	.00050	.00020

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.771	1.99850	-1.02207	.01643	-.34633	.33885	-.02897	-.00407	-.01107
4.500	-5.703	1.99732	-.92146	.01656	-.28188	.30590	-.02919	-.00378	-.01085
4.500	-3.714	1.99732	-.76953	.01716	-.21529	.27977	-.02673	-.00294	-.01074
4.500	-1.664	1.99732	-.57749	.01749	-.15021	.26010	-.02429	-.00229	-.01034
4.500	.380	1.99672	-.34071	.01708	-.08407	.24675	-.01841	-.00120	-.00940
4.500	2.420	1.99732	-.08027	.01728	-.01934	.24092	-.01263	-.00003	-.00820
4.500	4.459	1.99850	.19632	.01752	.04706	.23970	-.00737	.00095	-.00813
	GRADIENT	.00012	.11888	.00002	.03209	-.00486	.00247	.00049	.00036

LARC UPWT 1177(1A94B) OTSAT130 (TJW040) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 83/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.670	2.00121	-1.05205	4.08301	-.40139	.38153	-.00723	-.00329	-.00426
3.500	-6.610	2.00100	-.93595	4.08087	-.32333	.34546	-.00336	-.00259	-.00390
3.500	-4.566	2.00052	-.77935	4.07776	-.24629	.31602	.00169	-.00135	-.00351
3.500	-2.519	2.00080	-.58408	4.07454	-.17243	.29523	.00353	-.00047	-.00377
3.500	-.462	2.00149	-.35613	4.07165	-.10025	.28150	.00863	.00064	-.00336
3.500	1.582	2.00128	-.11050	4.06987	-.03034	.27457	.01497	.00195	-.00265
3.500	3.629	2.00142	.16883	4.06889	.04621	.27369	.02077	.00328	-.00251
	GRADIENT	.00011	.11565	-.00109	.03548	-.00514	.00242	.00057	.00015

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.752	1.99850	-1.03008	4.07319	-.35467	.34431	-.03879	-.00531	-.01442
4.500	-5.718	1.99791	-.92667	4.05263	-.28869	.31153	-.03641	-.00465	-.01388
4.500	-3.693	1.99850	-.77184	4.05050	-.21932	.28415	-.03145	-.00342	-.01318
4.500	-1.655	1.99791	-.58077	4.04848	-.15308	.26358	-.02640	-.00236	-.01259
4.500	.385	1.99732	-.36527	4.04672	-.09131	.24999	-.01968	-.00116	-.01145
4.500	2.422	1.99791	-.09788	4.04556	-.02373	.24241	-.01554	.00000	-.01109
4.500	4.440	1.99850	.18245	4.04447	.04398	.24103	-.01035	.00106	-.01090
	GRADIENT	-.00000	.11754	-.00074	.03224	-.00528	.00261	.00056	.00030

LARC UPWT 1177(1A94B) OTSAT130 (TJW041) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.693	2.00184	-1.05333	6.17186	-.40578	.38524	-.00562	-.00319	-.00496
3.500	-6.615	2.00086	-.94115	6.16757	-.32823	.34875	-.00692	-.00285	-.00586
3.500	-4.575	2.00163	-.78104	6.16313	-.24986	.31991	-.00388	-.00165	-.00584
3.500	-2.531	2.00170	-.58246	6.15835	-.17366	.29814	.00063	-.00064	-.00567
3.500	-.468	2.00093	-.35922	6.15462	-.10186	.28355	.00370	.00039	-.00554
3.500	1.594	2.00211	-.09680	6.15210	-.02676	.27642	.01193	.00204	-.00449
3.500	3.617	2.00184	.18426	6.15018	.05084	.27589	.02619	.00393	-.00252
	GRADIENT	.00004	.11780	-.00157	.03648	-.00536	.00348	.00067	.00038

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.758	1.99732	-1.03954	6.12882	-.36082	.34709	-.04540	-.00590	-.01689
4.500	-5.719	1.99850	-.92747	6.12605	-.29135	.31413	-.04059	-.00489	-.01533
4.500	-3.690	1.99850	-.78132	6.12307	-.22411	.28684	-.03311	-.00326	-.01418
4.500	-1.659	1.99850	-.58160	6.12033	-.15450	.26566	-.02886	-.00228	-.01393
4.500	.383	1.99791	-.34906	6.11764	-.08775	.25138	-.02470	-.00121	-.01356
4.500	2.417	1.99850	-.09118	6.11552	-.02223	.24380	-.01454	.00047	-.01190
4.500	4.438	1.99791	.19345	6.11394	.04696	.24275	-.00926	.00149	-.01197
	GRADIENT	-.00006	.12000	-.00113	.03317	-.00541	.00305	.00060	.00032

LARC UPWT 1177(IA94B) OTSAT130 (TJW042) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 91/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.758	1.99803	-1.04459	-6.11294	-.46996	.44989	-.02390	-.00354	-.00386
2.500	-6.641	1.99862	-.87475	-6.10447	-.36049	.41211	-.01615	-.00223	-.00318
2.500	-4.560	1.99768	-.68870	-6.09629	-.26488	.38460	-.00693	-.00079	-.00230
2.500	-2.490	1.99686	-.45008	-6.08803	-.16380	.36394	.00481	00118	-.00166
2.500	-.387	1.99721	-.21310	-6.08339	-.07454	.34979	.01747	.00328	-.00080
2.500	1.686	1.99721	.01595	-6.07955	.00550	.34474	.02579	.00480	-.00056
2.500	3.767	1.99662	.29180	-6.07560	.10159	.34814	.03939	.00725	.00026
	GRADIENT	-.00008	.11651	.00239	.04331	-.00442	.00545	.00095	.00030

LARC UPWT 1177(IA94B) OTSAT130 (TJW043) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 92/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.740	1.99674	-1.05851	-4.15308	-.47293	.44679	-.02410	-.00375	-.00470
2.500	-6.650	1.99780	-.89129	-4.14623	-.36611	.41077	-.01629	-.00231	-.00434
2.500	-4.549	1.99550	-.68130	-4.13654	-.25995	.38155	-.00660	-.00061	-.00362
2.500	-2.473	1.99768	-.46259	-4.13315	-.16731	.36169	.00317	.00109	-.00312
2.500	-.380	1.99721	-.22626	-4.12856	-.07907	.34945	.01253	.00271	-.00295
2.500	1.686	1.99650	.00401	-4.12570	.00138	.34307	.01844	.00390	-.00305
2.500	3.766	1.99650	.26664	-4.12331	.09228	.34610	.02908	.00612	-.00269
	GRADIENT	.00001	.11364	.00163	.04200	-.00431	.00417	.00078	.00009

LARC UPWT 1177(IA94B) OTSAT130 (TJW044) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.754	1.99803	-1.06990	-.00761	-.47470	.44368	-.01756	-.00336	-.00393
2.500	-6.654	1.99721	-.89957	-.00537	-.36368	.40429	-.00784	-.00173	-.00319
2.500	-4.552	2.00074	-.69057	-.00229	-.25930	.37549	.00101	-.00018	-.00298
2.500	-2.479	2.00180	-.46630	-.00097	-.16590	.35578	.00795	.00109	-.00314
2.500	-.388	2.00275	-.24006	-.00161	-.08306	.34600	.01298	.00223	-.00384
2.500	1.700	2.00027	-.00009	-.00051	-.00003	.34070	.02327	.00390	-.00329
2.500	3.191	2.00015	.18229	-.00131	.06205	.34039	.02871	.00509	-.00366
	GRADIENT	-.00013	.11234	.00013	.04113	-.00441	.00359	.00068	-.00008

LARC UPWT 1177(IA94B) OTSAT130 (TJW045) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 93/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.748	1.99745	-1.07304	4.15012	-.48173	.44894	-.02307	-.00393	-.00769
2.500	-6.637	1.99756	-.91139	4.14651	-.37519	.41167	-.01273	-.00230	-.00721
2.500	-4.569	1.99662	-.71153	4.14401	-.27209	.38240	-.00398	-.00076	-.00700
2.500	-2.479	1.99709	-.48110	4.13988	-.17359	.36082	.00588	.00087	-.00641
2.500	-.394	1.99803	-.24627	4.13756	-.08593	.34892	.01373	.00231	-.00628
2.500	1.688	1.99627	-.00901	4.13560	-.00308	.34205	.02208	.00378	-.00603
2.500	3.759	1.99533	.25356	4.13407	.08757	.34536	.03235	.00582	-.00592
	GRADIENT	-.00016	.11536	-.00116	.04273	-.00446	.00426	.00077	.00012

LARC UPWT 1177(IA94B) OTSAT130 (TJW046) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RUN NO. 94/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.760	1.99698	-1.08288	6.22831	-.48974	.45226	-.02729	-.00409	-.00938
2.500	-6.638	1.99639	-.92524	6.22530	-.38334	.41431	-.01703	-.00244	-.00867
2.500	-4.567	1.99698	-.72291	6.21770	-.27751	.38388	-.00718	-.00071	-.00847
2.500	-2.498	1.99686	-.49667	6.21339	-.18000	.36242	.00310	.00106	-.00801
2.500	-.399	1.99756	-.26015	6.20953	-.09065	.34844	.01292	.00257	-.00747
2.500	1.694	1.99815	-.00513	6.20661	-.00175	.34108	.01986	.00392	-.00772
2.500	3.763	1.99674	.27239	6.20409	.09366	.34386	.03244	.00619	-.00681
	GRADIENT	.00004	.11903	-.00163	.04415	-.00486	.00460	.00080	.00017

LARC UPWT 1177(IA94B) OTSAT130 (TJW047) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.736	2.00593	-1.06753	-6.13196	-.48281	.45226	-.02764	-.00499	-.00314
2.500	-6.637	2.00428	-.89642	-6.12375	-.37119	.41408	-.01940	-.00349	-.00275
2.500	-4.549	2.00083	-.69602	-6.11387	-.26780	.38476	-.01168	-.00206	-.00233
2.500	-2.467	2.00063	-.47284	-6.10593	-.17219	.36416	.00052	-.00013	-.00148
2.500	-.379	2.00145	-.23675	-6.10036	-.08303	.35070	.01266	.00192	-.00066
2.500	1.698	2.00098	-.00369	-6.09774	-.00127	.34512	.02096	.00352	-.00051
2.500	3.774	2.00039	.26302	-6.09465	.09155	.34810	.03408	.00580	.00029
	GRADIENT	-.00003	.11471	.00224	.04275	-.00444	.00538	.00093	.00030

LARC UPWT 1177(IA94B) OTSAT130 (TJW048) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.765	2.00086	-1.07883	-4.15246	-.48693	.45135	-.03122	-.00542	-.00496
2.500	-6.647	2.00275	-.90174	-4.14620	-.37235	.41292	-.02200	-.00369	-.00444
2.500	-4.552	2.00251	-.71220	-4.13853	-.27370	.38431	-.01469	-.00220	-.00436
2.500	-2.479	2.00074	-.49463	-4.13280	-.17965	.36321	-.00492	-.00047	-.00402
2.500	-.382	1.99721	-.25609	-4.12785	-.08968	.35020	.00397	.00115	-.00406
2.500	1.688	1.99803	-.05467	-4.12545	-.01874	.34284	.00916	.00209	-.00496
2.500	3.747	1.99709	.22663	-4.12343	.07854	.34659	.01813	.00425	-.00428
	GRADIENT	-.00065	.11160	.00181	.04168	-.00462	.00384	.00074	-.00004

LARC UPWT 1177(IA94B) OTSAT130 (TJW049) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 95/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.774	1.99580	-1.09296	-.00731	-.48864	.44708	-.01034	-.00430	-.00020
2.500	-6.621	1.99851	-.92155	-.00328	-.37488	.40679	-.00108	-.00254	.00017
2.500	-4.569	1.99413	-.72375	-.00273	-.27292	.37709	.00584	-.00107	-.00010
2.500	-2.472	1.99662	-.48177	-.00132	-.17196	.35694	.01283	.00034	-.00059
2.500	-.376	1.99780	-.25923	.00100	-.08985	.34661	.01692	.00139	-.00152
2.500	1.664	2.00345	-.02219	.00114	-.00757	.34114	.02520	.00286	-.00135
2.500	3.768	2.00098	.22503	.00094	.07694	.34190	.03217	.00444	-.00194
	GRADIENT	.00098	.11316	.00047	.04149	-.00414	.00312	.00065	-.00021

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (TJW050) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.752	2.00911	-1.09460	4.13434	-.49563	.45279	-.03147	-.00561	-.00850
2.500	-6.662	2.00699	-.93963	4.13277	-.39111	.41624	-.02115	-.00392	-.00834
2.500	-4.558	2.00404	-.73618	4.12841	-.28323	.38473	-.01190	-.00229	-.00804
2.500	-2.491	2.00227	-.51786	4.12483	-.18832	.36366	-.00163	-.00065	-.00749
2.500	-.391	2.00063	-.27938	4.12309	-.09811	.35117	.00617	.00081	-.00729
2.500	1.695	2.00015	-.04212	4.12089	-.01447	.34346	.01405	.00222	-.00723
2.500	3.758	2.00027	.21350	4.11979	.07393	.34626	.02474	.00424	-.00684
	GRADIENT	-.00046	.11409	-.00102	.04266	-.00467	.00427	.00077	.00013

LARC UPWT 1177(IA94B) OTSAT130 (TJW051) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.765	2.00051	-1.12197	6.23175	-.51306	.45728	-.03509	-.00608	-.01042
2.500	-6.677	2.00145	-.94969	6.22799	-.39723	.41828	-.02407	-.00404	-.00931
2.500	-4.552	2.00110	-.75089	6.22253	-.29096	.38749	-.01472	-.00230	-.00931
2.500	-2.492	2.00027	-.55571	6.21754	-.20235	.36413	-.00327	-.00069	-.00904
2.500	-.393	2.00063	-.29693	6.21128	-.10398	.35020	.00353	.00083	-.00909
2.500	1.682	2.00133	-.05341	6.20879	-.01827	.34209	.01041	.00218	-.00918
2.500	3.752	2.00145	.22592	6.20785	.07795	.34504	.02346	.00446	-.00823
	GRADIENT	.00008	.11818	-.00183	.04436	-.00515	.00433	.00079	.00010

LARC UPWT 1177(IA94B) OTSAT130 (TJW052) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 101/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.735	2.00074	-1.01964	-6.22880	-.46405	.45511	-.02084	-.00401	-.00437
2.500	-6.642	2.00015	-.85891	-6.22038	-.35901	.41798	-.01408	-.00274	-.00393
2.500	-4.541	1.99992	-.65935	-6.21272	-.25647	.38897	-.00542	-.00127	-.00303
2.500	-2.463	1.99980	-.42857	-6.20491	-.15777	.36813	.00575	.00060	-.00219
2.500	-.381	1.99980	-.19960	-6.19909	-.07081	.35478	.01694	.00252	-.00151
2.500	1.690	1.99968	.03703	-6.19613	.01295	.34987	.02616	.00417	-.00098
2.500	3.767	1.99839	.29953	-6.19199	.10582	.35328	.03832	.00637	-.00033
	GRADIENT	-.00015	.11475	.00242	.04311	-.00432	.00519	.00091	.00032

LARC UPWT 1177(IA94B) OTSAT130 (TJW053) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 102/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.729	1.99933	-1.03563	-4.15155	-.46929	.45315	-.02193	-.00428	-.00567
2.500	-6.639	1.99803	-.86985	-4.14533	-.36232	.41653	-.01375	-.00278	-.00498
2.500	-4.552	1.99882	-.66953	-4.13745	-.25920	.38714	-.00834	-.00138	-.00545
2.500	-2.463	1.99862	-.44167	-4.13196	-.16184	.36643	.00185	.00041	-.00477
2.500	-.382	1.99851	-.21975	-4.12617	-.07799	.35488	.01024	.00191	-.00476
2.500	1.694	1.99874	.02084	-4.12480	.00725	.34798	.01610	.00317	-.00486
2.500	3.756	1.99768	.26401	-4.12298	.09285	.35169	.02532	.00507	-.00459
	GRADIENT	-.00008	.11214	.00174	.04204	-.00431	.00393	.00075	.00008

LARC UPWT 1177(IA94B) OTSAT130 (TJW054) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 100/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.738	2.00204	-1.04129	-.00733	-.46798	.44942	-.00942	-.00345	-.00418
2.500	-6.642	2.00180	-.87784	-.00475	-.36015	.41026	-.00072	-.00179	-.00369
2.500	-4.540	2.00180	-.67675	-.00278	-.25711	.37993	.00808	-.00022	-.00341
2.500	-2.457	2.00027	-.43937	-.00121	-.15804	.35970	.01550	.00117	-.00355
2.500	-.386	2.00015	-.21204	-.00062	-.07430	.35048	.02050	.00228	-.00410
2.500	1.691	1.99827	.02239	.00122	.00774	.34550	.02889	.00376	-.00401
2.500	3.764	1.99745	.26924	.00019	.09346	.34714	.03684	.00539	-.00444
	GRADIENT	-.00052	.11340	.00040	.04177	-.00384	.00342	.00067	-.00012

LARC UPWT 1177(IA94B) OTSAT130 (TJW055) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 103/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.741	1.99592	-1.05577	4.13315	-.48044	.45506	-.02320	-.00446	-.01176
2.500	-6.650	1.99580	-.88909	4.12935	-.37076	.41702	-.01388	-.00277	-.01153
2.500	-4.557	1.99763	-.68764	4.12699	-.26555	.38618	-.00550	-.00124	-.01143
2.500	-2.471	1.99615	-.46607	4.12337	-.17054	.36590	.00427	.00037	-.01084
2.500	-.390	1.99627	-.24058	4.11966	-.08514	.35388	.01163	.00169	-.01066
2.500	1.683	1.99568	.00208	4.11826	.00072	.34632	.01952	.00310	-.01060
2.500	3.760	1.99768	.25468	4.11752	.08902	.34952	.02930	.00507	-.01066
	GRADIENT	-.00002	.11318	-.00116	.04235	-.00447	.00408	.00074	.00009

LARC UPWT 1177(IA94B) OTSAT130 (TJW056) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RUN NO. 104/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.743	1.99592	-1.06311	6.22859	-.48738	.45845	-.02777	-.00470	-.01393
2.500	-6.651	1.99615	-.90520	6.22436	-.37990	.41969	-.01753	-.00297	-.01323
2.500	-4.570	1.99650	-.71016	6.21880	-.27627	.38903	-.00918	-.00132	-.01323
2.500	-2.479	1.99627	-.48510	6.21376	-.17814	.36723	.00209	.00049	-.01261
2.500	-.398	1.99592	-.25245	6.20873	-.08901	.35259	.01050	.00189	-.01250
2.500	1.679	1.99580	-.00326	6.20633	-.00113	.34482	.01745	.00322	-.01275
2.500	3.761	1.99592	.26781	6.20416	.09316	.34785	.02858	.00531	-.01209
	GRADIENT	-.00008	.11708	-.00176	.04399	-.00503	.00437	.00077	.00010

LARC UPWT 1177(IA94B) OTSAT130 (TJW057) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 106/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.731	1.99674	-1.01946	-6.22954	-.46171	.45290	-.01440	-.00308	-.00423
2.500	-6.640	1.99662	-.85612	-6.22053	-.35611	.41595	-.00765	-.00187	-.00362
2.500	-4.535	1.99547	-.64593	-6.21167	-.24916	.38574	.00101	-.00041	-.00265
2.500	-2.460	1.99544	-.41612	-6.20303	-.15228	.36595	.01172	.00136	-.00184
2.500	-.388	1.99462	-.20209	-6.19839	-.07136	.35311	.02243	.00314	-.00103
2.500	1.694	1.99462	.04251	-6.19559	.01480	.34823	.03167	.00480	-.00049
2.500	3.758	1.99509	.29477	-6.19089	.10380	.35213	.04377	.00695	.00039
	GRADIENT	-.00007	.11283	.00236	.04209	-.00410	.00509	.00088	.00036

LARC UPWT 117/(IA94B) OTSAT130 (TJW057) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.679	2.00204	-1.02744	-6.17447	-.39989	.38921	.01848	-.00038	-.00146
3.500	-6.622	2.00156	-.91979	-6.16846	-.32552	.35391	.01097	-.00013	-.00065
3.500	-4.559	2.00191	-.74889	-6.16242	-.24247	.32377	.01342	.00055	-.00031
3.500	-2.517	2.00204	-.55931	-6.15641	-.16888	.30194	.01593	.00090	.00028
3.500	-.458	2.00246	-.33174	-6.15107	-.09523	.28707	.01727	.00128	.00004
3.500	1.588	2.00163	-.07702	-6.14833	-.02159	.28031	.02173	.00216	.00054
3.500	3.637	2.00232	.20417	-6.14642	.05710	.27968	.02885	.00331	.00124
	GRADIENT	.00002	.11653	.00196	.03642	-.00536	.00179	.00033	.00016

RUN NO. 116/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.766	1.99871	-1.01487	-6.10382	-.35746	.35222	-.01549	-.00196	-.00847
4.500	-5.737	1.99871	-.91195	-6.10051	-.29106	.31916	-.01478	-.00163	-.00817
4.500	-3.688	1.99871	-.74554	-6.09662	-.21726	.29142	-.01143	-.00094	-.00768
4.500	-1.648	1.99930	-.54797	-6.09277	-.14801	.27011	-.01072	-.00061	-.00739
4.500	.385	1.99930	-.32567	-6.08931	-.08284	.25436	-.01077	-.00048	-.00741
4.500	2.416	1.99930	-.06926	-6.08647	-.01705	.24615	-.00906	-.00011	-.00730
4.500	4.444	1.99871	.21734	-6.08395	.05334	.24541	-.00390	.00077	-.00682
	GRADIENT	.00000	.11827	.00156	.03307	-.00571	.00082	.00019	.00009

LARC UPWT 1177(IA94B) OTSAT130 (TJW058) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 107/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.724	1.99415	-1.03564	-4.15108	-.46719	.45112	-.01407	-.00331	-.00502
2.500	-6.636	1.99580	-.86056	-4.14434	-.35601	.41370	-.00684	-.00184	-.00456
2.500	-4.543	1.99674	-.65605	-4.13652	-.25174	.38372	.00135	-.00032	-.00387
2.500	-2.461	1.99698	-.43480	-4.13103	-.15835	.36420	.01154	.00137	-.00302
2.500	-.383	1.99721	-.19956	-4.12876	-.07028	.35218	.01989	.00285	-.00284
2.500	1.695	1.99662	.02885	-4.12608	.00999	.34648	.02576	.00402	-.00278
2.500	3.764	1.99639	.27315	-4.12245	.09569	.35032	.03544	.00593	-.00232
	GRADIENT	-.00005	.11180	.00159	.04156	-.00407	.00397	.00073	.00016

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.667	2.00100	-1.04456	-4.10234	-.46073	.38364	.00803	-.00109	-.00131
3.500	-6.616	2.00010	-.92876	-4.09861	-.32252	.34726	.01115	-.00048	-.00069
3.500	-4.565	2.00059	-.77259	-4.09421	-.24596	.31836	.01430	.00016	-.00028
3.500	-2.518	2.00052	-.57462	-4.08952	-.17089	.29740	.01807	.00079	.00049
3.500	-.464	2.00100	-.34754	-4.08596	-.09882	.28433	.02324	.00169	.00094
3.500	1.584	2.00052	-.10013	-4.08350	-.02779	.27755	.02579	.00238	.00098
3.500	3.627	2.00066	.17915	-4.08203	.04956	.27663	.03161	.00351	.00135
	GRADIENT	.00001	.11607	.00148	.03584	-.00504	.00207	.00040	.00018

RUN NO. 117/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.760	1.99871	-1.02538	-4.06710	-.35638	.34756	-.01954	-.00259	-.00986
4.500	-5.718	1.99871	-.92835	-4.06482	-.29176	.31428	-.01974	-.00238	-.00949
4.500	-3.696	1.99871	-.77801	-4.06228	-.22171	.28498	-.01638	-.00173	-.00899
4.500	-1.656	1.99930	-.56516	-4.05949	-.15424	.26358	-.01396	-.00125	-.00828
4.500	.383	1.99871	-.34902	-4.05724	-.08766	.25116	-.01065	-.00048	-.00781
4.500	2.416	1.99871	-.09854	-4.05521	-.02405	.24405	-.00726	.00021	-.00746
4.500	4.444	1.99871	.19244	-4.05336	.04664	.24235	-.00465	.00074	-.00744
	GRADIENT	-.00003	.11927	.00109	.03277	-.00515	.00148	.00031	.00019

LARC UPWT 1177(IA94B) OTSAT130 (TJW059) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 105/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.727	1.99921	-1.03839	-.02300	-.46403	.44688	-.00525	-.00257	-.00517
2.500	-6.637	2.00263	-.87914	-.02140	-.35924	.40863	.00295	-.00107	-.00454
2.500	-4.546	2.00251	-.67026	-.01999	-.25312	.37765	.01218	.00051	-.00399
2.500	-2.456	2.00098	-.43536	-.01687	-.15608	.35851	.02002	.00192	-.00378
2.500	-.381	2.00086	-.21341	-.01717	-.07450	.34908	.02408	.00285	-.00447
2.500	1.689	1.99980	.02478	-.01682	.00854	.34473	.03385	.00442	-.00387
2.500	3.761	1.99898	.26627	-.01691	.09219	.34621	.04175	.00603	-.00415
	GRADIENT	-.00040	.11239	.00030	.04120	-.00370	.00351	.00065	-.00002

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.674	2.00114	-1.01794	-.02340	-.39559	.37749	.00640	-.00171	-.00210
3.500	-6.620	2.00052	-.95043	-.02299	-.32411	.34101	.00886	-.00136	-.00130
3.500	-4.568	2.00093	-.79294	-.02248	-.24772	.31240	.01469	-.00045	-.00068
3.500	-2.511	2.00142	-.58686	-.02210	-.17172	.29261	.01597	.00025	-.00118
3.500	-.466	2.00163	-.36140	-.02184	-.10149	.28081	.02106	.00119	-.00053
3.500	1.583	2.00170	-.11813	-.02191	-.03242	.27443	.02871	.00238	.00073
3.500	3.630	2.00135	.15409	-.02217	.04204	.27286	.03323	.00360	.00056
	GRADIENT	.00006	.11531	.00004	.03508	-.00475	.00243	.00050	.00021

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.759	1.99983	-1.02527	-.02062	-.34791	.33934	-.02268	-.00388	-.01010
4.500	-5.723	1.99930	-.92545	-.02056	-.28343	.30627	-.02290	-.00354	-.00989
4.500	-3.685	1.99930	-.77724	-.01989	-.21703	.27923	-.01961	-.00259	-.00958
4.500	-1.652	1.99989	-.58560	-.01957	-.15185	.25931	-.01722	-.00194	-.00903
4.500	.384	1.99930	-.34840	-.02004	-.08582	.24633	-.01134	-.00085	-.00810
4.500	2.417	1.99930	-.09567	-.01993	-.02297	.24015	-.00383	.00038	-.00648
4.500	4.442	1.99930	.18236	-.01975	.04353	.23868	.00047	.00132	-.00636
	GRADIENT	-.00003	.11854	-.00000	.03198	-.00493	.00263	.00050	.00044

LARC UPWT 1177(IA94B) OTSAT130 (TJW060) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.737	1.99709	-1.05199	4.13312	-.47678	.45321	-.00871	-.00299	-.00892
2.500	-6.643	1.99933	-.88156	4.13011	-.36544	.41453	.00059	-.00143	-.00843
2.500	-4.546	2.00110	-.67876	4.12600	-.26059	.38393	.00745	.00002	-.00862
2.500	-2.471	2.00180	-.45731	4.12361	-.16642	.36392	.01718	.00159	-.00794
2.500	-.393	2.00074	-.22190	4.12083	-.07817	.35228	.02499	.00295	-.00757
2.500	1.689	2.00051	.02168	4.11909	.00749	.34532	.03191	.00425	-.00774
2.500	3.755	2.00133	.27158	4.11755	.09471	.34874	.04250	.00622	-.00704
	GRADIENT	-.00004	.11462	-.00103	.04260	-.00429	.00409	.00073	.00016

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.677	2.00066	-1.04235	4.08342	-.40003	.38378	-.00323	-.00334	-.00556
3.500	-6.614	2.00086	-.93178	4.08118	-.32334	.34701	.00055	-.00268	-.00489
3.500	-4.564	2.00073	-.77511	4.07810	-.24629	.31775	.00491	-.00143	-.00456
3.500	-2.518	2.00086	-.58595	4.07476	-.17390	.29679	.00807	-.00047	-.00461
3.500	-.462	2.00086	-.36009	4.07181	-.10185	.28284	.01256	.00058	-.00445
3.500	1.585	2.00038	-.11560	4.07022	-.03183	.27538	.01819	.00187	-.00369
3.500	3.628	2.00121	.16756	4.06917	.04603	.27472	.02474	.00329	-.00381
	GRADIENT	.00002	.11498	-.00109	.03547	-.00525	.00243	.00057	.00012

RUN NO. 118/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.754	1.99811	-1.03313	4.05606	-.35634	.34491	-.03588	-.00538	-.01456
4.500	-5.723	1.99930	-.93070	4.05414	-.29022	.31183	-.03358	-.00472	-.01361
4.500	-3.687	1.99930	-.77713	4.05170	-.22101	.28440	-.02776	-.00337	-.01285
4.500	-1.661	1.99930	-.58800	4.04990	-.15470	.26310	-.02360	-.00239	-.01232
4.500	.385	1.99871	-.36520	4.04802	-.09121	.24975	-.01634	-.00114	-.01106
4.500	2.408	1.99871	-.11259	4.04670	-.02727	.24220	-.01273	-.00007	-.01083
4.500	4.441	1.99871	.16854	4.04604	.04051	.24036	-.00581	.00114	-.01036
	GRADIENT	-.00009	.11644	-.00071	.03200	-.00536	.00269	.00056	.00032

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (TJW061) (02 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.739	2.00169	-1.05571	6.22779	-.48065	.45528	-.01473	-.00331	-.01127
2.500	-6.661	2.00169	-.89966	6.22494	-.37520	.41705	-.00407	-.00162	-.01029
2.500	-4.556	2.00145	-.69968	6.21827	-.27007	.38600	.00519	.00008	-.00999
2.500	-2.475	2.00145	-.46923	6.21347	-.17110	.36463	.01545	.00182	-.00953
2.500	-.392	2.00204	-.23091	6.20891	-.08103	.35089	.02378	.00322	-.00926
2.500	1.687	2.00180	.01628	6.20596	.00560	.34404	.03021	.00443	-.00946
2.500	3.754	2.00051	.28185	6.20357	.09776	.34687	.04133	.00642	-.00865
	GRADIENT	-.00007	.11782	-.00178	.04390	-.00476	.00419	.00074	.00013

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.673	2.00080	-1.04591	6.17436	-.40573	.38792	-.00093	-.00326	-.00619
3.500	-6.626	2.00073	-.93746	6.16971	-.32932	.35129	-.00226	-.00291	-.00698
3.500	-4.567	2.00085	-.77272	6.16467	-.24851	.32160	.00016	-.00174	-.00723
3.500	-2.522	2.00100	-.57946	6.16030	-.17365	.29968	.00532	-.00070	-.00690
3.500	-.464	2.00156	-.35804	6.15654	-.10182	.28438	.00705	.00028	-.00698
3.500	1.584	2.00128	-.10136	6.15390	-.02810	.27724	.01718	.00203	-.00526
3.500	3.631	2.00086	.17848	6.15191	.04942	.27687	.03087	.00394	-.00376
	GRADIENT	.00001	.11611	-.00156	.03616	-.00546	.00357	.00069	.00042

RUN NO. 119/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.762	1.99930	-1.03330	6.11178	-.36007	.34847	-.04072	-.00594	-.01644
4.500	-5.735	1.99930	-.93603	6.10836	-.29469	.31483	-.03596	-.00498	-.01476
4.500	-3.693	1.99989	-.78515	6.10574	-.22566	.28741	-.02934	-.00339	-.01381
4.500	-1.658	1.99989	-.59392	6.10307	-.15791	.26588	-.02513	-.00232	-.01358
4.500	.384	1.99989	-.36324	6.10016	-.09119	.25106	-.02014	-.00122	-.01286
4.500	2.416	2.00049	-.09845	6.09810	-.02397	.24345	-.00992	.00051	-.01147
4.500	4.441	2.00049	.17946	6.09625	.04345	.24215	-.00554	.00154	-.01176
	GRADIENT	.00009	.11919	-.00118	.03304	-.00556	.00309	.00062	.00031

LARC UPWT 1177(IA94B) OTSAT130 (TJW062) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 121/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.672	2.00198	-1.02639	-6.15565	-.39976	.38948	.01441	-.00040	-.00214
3.500	-6.619	2.00274	-.92131	-6.14998	-.32655	.35445	.00623	-.00020	-.00138
3.500	-4.582	2.00267	-.75786	-6.14400	-.24631	.32501	.01006	.00050	-.00092
3.500	-2.532	2.00336	-.57380	-6.13784	-.17400	.30324	.01062	.00068	-.00069
3.500	-.458	2.00267	-.34371	-6.13253	-.09916	.28851	.01193	.00105	-.00083
3.500	1.605	2.00295	-.09086	-6.12865	-.02554	.28110	.01710	.00196	-.00038
3.500	3.640	2.00100	.18491	-6.12677	.05185	.28042	.02289	.00303	.00021
	GRADIENT	-.00018	.11507	.00212	.03619	-.00541	.00156	.00031	.00012

RUN NO. 126/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.775	1.99709	-1.02832	-6.10422	-.36641	.35632	-.01444	-.00180	-.00909
4.500	-5.748	1.99768	-.92983	-6.09998	-.29985	.32248	-.01285	-.00143	-.00858
4.500	-3.695	1.99709	-.77169	-6.09664	-.22810	.29558	-.01123	-.00085	-.00851
4.500	-1.657	1.99768	-.57436	-6.09259	-.15708	.27348	-.00964	-.00048	-.00800
4.500	.381	1.99768	-.35703	-6.08925	-.09201	.25770	-.01053	-.00047	-.00822
4.500	2.422	1.99709	-.10544	-6.08643	-.02624	.24884	-.00794	.00001	-.00806
4.500	4.448	1.99827	.17809	-6.08392	.04409	.24757	-.00369	.00087	-.00764
	GRADIENT	.00009	.11629	.00155	.03316	-.00593	.00082	.00019	.00008

LARC UPWT 1177(IA94B) OTSAT130 (TJW063) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 122/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.699	2.00093	-1.05401	-4.10096	-.40700	.38614	.00213	-.00127	-.00275
3.500	-6.624	2.00121	-.94904	-4.09735	-.33153	.34934	.00462	-.00075	-.00228
3.500	-4.591	2.00080	-.78863	-4.09283	-.25232	.31995	.00645	-.00019	-.00209
3.500	-2.532	2.00073	-.59707	-4.08808	-.17868	.29925	.01023	.00040	-.00131
3.500	-.459	2.00142	-.36387	-4.08430	-.10396	.28571	.01608	.00137	-.00080
3.500	1.587	2.00114	-.11314	-4.08169	-.03157	.27905	.01858	.00208	-.00067
3.500	3.637	2.00128	.15981	-4.07994	.04436	.27761	.02310	.00313	-.00061
	GRADIENT	.00007	.11570	.00156	.03599	-.00510	.00202	.00040	.00018

RUN NO. 127/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.787	1.99827	-1.04087	-4.06587	-.36663	.35224	-.01847	-.00242	-.01048
4.500	-5.723	1.99987	-.94644	-4.06322	-.30032	.31731	-.01859	-.00221	-.01037
4.500	-3.700	1.99987	-.80089	-4.06075	-.23040	.28769	-.01608	-.00164	-.01009
4.500	-1.658	1.99827	-.61163	-4.05795	-.16318	.26679	-.01371	-.00116	-.00925
4.500	.391	1.99827	-.38071	-4.05586	-.09655	.25360	-.01039	-.00038	-.00877
4.500	2.417	1.99827	-.13430	-4.05382	-.03311	.24653	-.00609	.00034	-.00834
4.500	4.440	1.99987	.14610	-4.05228	.03570	.24435	-.00447	.00084	-.00812
	GRADIENT	-.00000	.11648	.00104	.03254	-.00526	.00152	.00032	.00024

LARC UPWT 1177(IA94B) OTSAT130 (TJW064) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 120/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.670	2.00170	-1.04963	-.00635	-.39695	.37818	.07805	-.00142	-.00095
3.500	-6.628	2.00177	-.94805	-.00546	-.32400	.34176	.00924	-.00114	-.00056
3.500	-4.574	2.00149	-.79054	-.00443	-.24764	.31325	.01505	-.00028	.00016
3.500	-2.528	2.00232	-.59375	-.00386	-.17434	.29362	.01440	.00029	-.00081
3.500	-.454	2.00239	-.36543	-.00339	-.10288	.28153	.01956	.00123	-.00036
3.500	1.604	2.00204	-.12270	-.00309	-.03376	.27517	.02588	.00235	.00068
3.500	3.631	2.00184	.14877	-.00322	.04071	.27363	.03113	.00355	.00048
	GRADIENT	.00002	.11437	.00016	.03492	-.00476	.00212	.00047	.00010

RUN NO. 125/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.759	1.99827	-1.03881	-.01955	-.35665	.34333	-.02343	-.00374	-.01102
4.500	-5.736	1.99649	-.94224	-.01963	-.29235	.31028	-.02365	-.00344	-.01082
4.500	-3.707	1.99709	-.80496	-.01903	-.22777	.28296	-.01956	-.00246	-.01002
4.500	-1.669	1.99768	-.61850	-.01864	-.16261	.26290	-.01625	-.00177	-.00940
4.500	.385	1.99768	-.37988	-.01884	-.09485	.24967	-.01123	-.00072	-.00867
4.500	2.422	1.99768	-.12442	-.01851	-.03017	.24252	-.00459	.00048	-.00726
4.500	4.444	1.99709	.15031	-.01840	.03626	.24123	.00149	.00149	-.00685
	GRADIENT	.00000	.11790	.00007	.03239	-.00510	.00264	.00050	.00042

LARC UPWT 1177(IA94B) OTSAT130 (TJW065) (02 JUL 76)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	976.0000	IN. XT	BETA =	4.000	ELV-LI =	12.000
LREF =	1290.3000	INCHES	YMRP =	.0000	IN. YT	ELV-LO =	.000	ELV-RI =	12.000
BREF =	1290.3000	INCHES	ZMRP =	400.0000	IN. ZT	ELV-RO =	.000		
SCALE =	.0100								

PARAMETRIC DATA

RUN NO. 123/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.692	2.00191	-1.05008	4.12167	-.40499	.38567	-.01292	-.00366	-.00837
3.500	-6.629	2.00239	-.94688	4.11950	-.33096	.34953	-.00982	-.00302	-.00775
3.500	-4.578	2.00191	-.79113	4.11666	-.25270	.31941	-.00477	-.00179	-.00736
3.500	-2.520	2.00170	-.60101	4.11316	-.17916	.29810	-.00362	-.00092	-.00768
3.500	-.467	2.00156	-.38230	4.11021	-.10848	.28376	.00151	.00018	-.00737
3.500	1.590	2.00073	-.13938	4.10862	-.03859	.27685	.00717	.00147	-.00672
3.500	3.631	2.00135	.13743	4.10785	.03788	.27563	.01306	.00280	-.00688
	GRADIENT	-.00010	.11294	-.00108	.03516	-.00530	.00226	.00056	.00009

RUN NO. 128/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.762	1.99946	-1.04992	4.05742	-.36547	.34904	-.03382	-.00499	-.01553
4.500	-5.719	1.99887	-.94250	4.05500	-.29726	.31540	-.03237	-.00442	-.01492
4.500	-3.688	1.99887	-.80462	4.05299	-.23172	.28799	-.02739	-.00314	-.01437
4.500	-1.674	1.99946	-.62031	4.05110	-.16543	.26668	-.02240	-.00213	-.01350
4.500	.377	1.99946	-.39670	4.04937	-.10017	.25251	-.01659	-.00096	-.01244
4.500	2.418	1.99946	-.14922	4.04827	-.03638	.24378	-.01237	.00007	-.01219
4.500	4.453	1.99887	.12923	4.04717	.03128	.24204	-.00713	.00118	-.01228
	GRADIENT	-.00000	.11480	-.00071	.03215	-.00563	.00248	.00053	.00027

LARC UPWT 117/(IA94B) OTSAT130 (TJW066) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RUN NO. 124/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.673	2.00281	-1.05008	6.15601	-.40907	.38956	-.01125	-.00356	-.00926
3.500	-6.628	2.00232	-.94841	6.15206	-.33549	.35375	-.01193	-.00320	-.00990
3.500	-4.580	2.00198	-.79097	6.14727	-.25617	.32387	-.00824	-.00198	-.00973
3.500	-2.534	2.00246	-.60544	6.14265	-.18279	.30191	-.00381	-.00093	-.00936
3.500	-.464	2.00246	-.38408	6.13898	-.10976	.28576	-.00006	.00016	-.00917
3.500	1.589	2.00246	-.12975	6.13575	-.03618	.27881	.00945	.00185	-.00770
3.500	3.622	2.00295	.14819	6.13408	.04120	.27803	.02377	.00377	-.00603
	GRADIENT	.00009	.11466	-.00162	.03611	-.00560	.00376	.00070	.00044

RUN NO. 129/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.785	1.99887	-1.05440	6.13104	-.37256	.35333	-.04029	-.00567	-.01824
4.500	-5.731	1.99887	-.94995	6.12769	-.30364	.31963	-.03722	-.00481	-.01711
4.500	-3.690	1.99887	-.80782	6.12494	-.23477	.29062	-.03063	-.00326	-.01603
4.500	-1.667	2.00005	-.61626	6.12199	-.16513	.26795	-.02730	-.00227	-.01585
4.500	.373	1.99887	-.39581	6.11936	-.10042	.25370	-.02309	-.00124	-.01562
4.500	2.419	1.99946	-.13510	6.11736	-.03319	.24569	-.01291	.00048	-.01409
4.500	4.443	1.99887	.14008	6.11545	.03414	.24374	-.00850	.00147	-.01439
	GRADIENT	-.00003	.11680	-.00116	.03291	-.00570	.00288	.00060	.00025

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 117/(IA94B) OTSAT130 (TJW067) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
ELV-LO = 4.000 ELV-R1 = 12.000
ELV-RO = 4.000

RUN NO. 131/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.669	2.00031	-1.00375	-6.15472	-.38923	.38777	.00616	-.00007	-.00130
3.500	-6.611	2.00073	-.88929	-6.14831	-.31327	.35227	.00802	.00009	-.00064
3.500	-4.560	2.00100	-.72811	-6.14346	-.23564	.32363	.01110	.00076	-.00003
3.500	-2.511	2.00114	-.54057	-6.13675	-.16329	.30206	.01238	.00097	.00016
3.500	-.460	2.00086	-.30659	-6.13190	-.08825	.28782	.01365	.00138	.00012
3.500	1.585	2.00038	-.05676	-6.12867	-.01596	.28119	.01879	.00229	.00067
3.500	3.634	2.00010	.22402	-6.12593	.06287	.28064	.02525	.00341	.00131
	GRADIENT	-.00012	.11658	.00211	.03634	-.00522	.00169	.00032	.00016

RUN NO. 136/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.758	1.99640	-.99537	-6.10277	-.35188	.35352	-.01661	-.00174	-.00833
4.500	-5.722	1.99640	-.88890	-6.10000	-.28555	.32124	-.01502	-.00138	-.00782
4.500	-3.693	1.99540	-.73115	-6.09612	-.21532	.29450	-.01170	-.00073	-.00719
4.500	-1.652	1.99580	-.53610	-6.09221	-.14618	.27267	-.01184	-.00048	-.00710
4.500	.379	1.99640	-.31479	-6.08878	-.08098	.25725	-.01101	-.00032	-.00691
4.500	2.417	1.99640	-.06089	-6.08590	-.01519	.24940	-.00845	.00013	-.00660
4.500	4.445	1.99699	.22210	-6.08338	.05522	.24861	-.00506	.00095	-.00640
	GRADIENT	.00009	.11706	.00156	.03303	-.00566	.00082	.00020	.00010

LARC UPWT 117/(IA94B) OTSAT130 (TJW068) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 132/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.673	2.00010	-1.02300	-4.10191	-.39251	.38368	.00451	-.00089	-.00176
3.500	-6.617	1.99989	-.91213	-4.09809	-.31693	.34746	.00758	-.00032	-.00093
3.500	-4.558	1.99996	-.74670	-4.09363	-.23766	.31828	.01007	.00027	-.00058
3.500	-2.512	2.00059	-.54972	-4.08838	-.16375	.29787	.01385	.00086	.00020
3.500	-.464	2.00038	-.32622	-4.08525	-.09313	.28548	.01902	.00177	.00065
3.500	1.589	2.00003	-.07957	-4.08264	-.02219	.27884	.02290	.00254	.00090
3.500	3.639	1.99955	.19834	-4.08089	.05518	.27820	.02740	.00365	.00095
	GRADIENT	-.00007	.11517	.00152	.03548	-.00484	.00213	.00041	.00018

RUN NO. 137/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.764	1.99699	-1.00681	-4.06697	-.35258	.35020	-.01975	-.00230	-.00965
4.500	-5.722	1.99640	-.91044	-4.06454	-.28809	.31643	-.01824	-.00198	-.00886
4.500	-3.690	1.99640	-.75331	-4.06228	-.21623	.28703	-.01494	-.00138	-.00809
4.500	-1.651	1.99640	-.55220	-4.05921	-.14699	.26619	-.01424	-.00100	-.00780
4.500	.385	1.99640	-.33079	-4.05711	-.08400	.25394	-.00918	-.00016	-.00699
4.500	2.414	1.99640	-.08260	-4.05486	-.02040	.24698	-.00747	.00042	-.00710
4.500	4.440	1.99699	.20527	-4.05301	.05029	.24499	-.00410	.00107	-.00661
	GRADIENT	.00006	.11742	.00113	.03245	-.00508	.00140	.00031	.00018

LARC UPWT 1177(IA94B) OTSAT130 (TJW069) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 130/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.669	1.99962	-1.02677	-.00672	-.38669	.37661	.00986	-.00099	-.00043
3.500	-6.608	1.99906	-.92135	-.00625	-.31370	.34047	.01170	-.00069	.00012
3.500	-4.560	1.99982	-.75946	-.00516	-.23711	.31221	.01754	.00014	.00084
3.500	-2.510	1.99948	-.56416	-.00478	-.16524	.29289	.01685	.00071	-.00002
3.500	-.461	1.99795	-.33742	-.00461	-.09500	.28156	.02204	.00162	.00043
3.500	1.591	1.99795	-.08850	-.00409	-.02437	.27543	.02832	.00280	.00157
3.500	3.631	2.00024	.18306	-.00402	.05018	.27411	.03356	.00404	.00125
	GRADIENT	-.00003	.11525	.00015	.03493	-.00457	.03212	.00048	.00012

RUN NO. 135/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.763	1.99758	-1.00841	-.00188	-.34432	.34145	-.02385	-.00354	-.00943
4.500	-5.729	1.99758	-.90598	-.00169	-.27971	.30874	-.02324	-.00316	-.00943
4.500	-3.682	1.99699	-.75848	-.00093	-.21347	.28144	-.01996	-.00230	-.00897
4.500	-1.656	1.99699	-.57256	-.00060	-.15010	.26216	-.01752	-.00165	-.00856
4.500	.383	1.99640	-.33733	-.00080	-.08407	.24921	-.01251	-.00059	-.00784
4.500	2.415	1.99640	-.08721	-.00103	-.02120	.24309	-.00585	.00057	-.00642
4.500	4.444	1.99699	.19430	-.00085	.04703	.24207	.00017	.00166	-.00588
	GRADIENT	-.00003	.11765	-.00001	.03198	-.00481	.00256	.00050	.00041

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (TJW070) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 133/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.670	2.00093	-1.02169	4.08378	-.39182	.38350	-.00340	-.00279	-.00624
3.500	-6.609	2.00128	-.91064	4.08148	-.31642	.34747	-.00296	-.00224	-.00568
3.500	-4.562	2.00156	-.75564	4.07837	-.24070	.31855	.00146	-.00110	-.00543
3.500	-2.513	2.00059	-.56208	4.07472	-.16713	.29735	.00326	-.00018	-.00560
3.500	-.461	2.00163	-.33903	4.07205	-.09632	.28409	.00904	.00095	-.00513
3.500	1.589	2.00142	-.09549	4.07046	-.02645	.27701	.01468	.00220	-.00437
3.500	3.629	2.00086	.18089	4.06935	.05000	.27638	.02063	.00357	-.00474
	GRADIENT	-.00003	.11421	-.00109	.03525	-.00511	.00243	.00057	.00013

RUN NO. 138/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.758	1.99818	-1.01389	4.05563	-.35248	.34765	-.03345	-.00467	-.01416
4.500	-5.726	1.99818	-.90600	4.05383	-.28479	.31434	-.03112	-.00407	-.01334
4.500	-3.693	1.99877	-.75862	4.05176	-.21731	.28645	-.02793	-.00294	-.01292
4.500	-1.652	1.99818	-.56928	4.04974	-.15119	.26557	-.02205	-.00186	-.01199
4.500	.379	1.99818	-.35457	4.04780	-.08949	.25238	-.01710	-.00076	-.01113
4.500	2.418	1.99818	-.09019	4.04676	-.02212	.24525	-.01205	.00043	-.01070
4.500	4.441	1.99818	.18755	4.04539	.04563	.24330	-.00510	.00160	-.01022
	GRADIENT	-.00006	.11659	-.00077	.03220	-.00524	.00274	.00056	.00033

LARC UPWT 1177(IA94B) OTSAT130 (TJW071) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RUN NO. 134/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
3.500	-8.666	2.00142	-1.02338	6.15456	-.39623	.38718	-.00366	-.00273	-.00734
3.500	-6.626	2.00086	-.91797	6.15042	-.32254	.35136	-.00566	-.00244	-.00819
3.500	-4.568	2.00232	-.75824	6.14573	-.24429	.32217	-.00326	-.00130	-.00832
3.500	-2.518	2.00052	-.56036	6.14108	-.16831	.30036	-.00014	-.00037	-.00818
3.500	-.458	2.00052	-.33826	6.13719	-.09652	.28534	.00426	.00074	-.00782
3.500	1.585	2.00100	-.08673	6.13440	-.02415	.27851	.01248	.00235	-.00667
3.500	3.633	2.00107	.19616	6.13257	.05464	.27853	.02681	.00431	-.00501
	GRADIENT	-.00010	.11618	-.00161	.03619	-.00532	.00355	.00068	.00040

RUN NO. 139/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
4.500	-7.751	1.99758	-1.01315	6.11149	-.35497	.35036	-.03550	-.00509	-.01605
4.500	-5.726	1.99877	-.91007	6.10848	-.28923	.31781	-.03436	-.00427	-.01485
4.500	-3.686	1.99877	-.76158	6.10530	-.22035	.28933	-.02681	-.00268	-.01383
4.500	-1.652	1.99877	-.56239	6.10300	-.15086	.26824	-.02269	-.00162	-.01332
4.500	.379	1.99818	-.34562	6.10016	-.08784	.25414	-.01936	-.00067	-.01315
4.500	2.412	1.99877	-.08351	6.09822	-.02057	.24632	-.01003	.00098	-.01183
4.500	4.447	1.99818	.19750	6.09575	.04851	.24561	-.00389	.00212	-.01185
	GRADIENT	-.00006	.11791	-.00117	.03286	-.00538	.00288	.00060	.00027

LARC UPWT 1177(1A94B) OTSAT130 (TJW072) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 141/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.727	1.99933	-1.00810	-6.22885	-.45526	.45160	-.01613	-.00257	-.00615
2.500	-6.639	1.99957	-.84799	-6.22200	-.35281	.41606	-.00941	-.00142	-.00539
2.500	-4.556	1.99721	-.64291	-6.21230	-.24812	.38593	-.00173	-.00009	-.00457
2.500	-2.468	1.99721	-.41331	-6.20470	-.15147	.36648	.00849	.00165	-.00388
2.500	-.376	1.99862	-.17618	-6.19855	-.06220	.35306	.02112	.00367	-.00284
2.500	1.691	1.99768	.06556	-6.19559	.02283	.34831	.02984	.00531	-.00235
2.500	3.768	1.99768	.31679	-6.19074	.11162	.35234	.04245	.00752	-.00151
	GRADIENT	.00007	.11526	.00251	.04296	-.00411	.00527	.00091	.00037

LARC UPWT 1177(1A94B) OTSAT130 (TJW073) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 142/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.726	1.99733	-1.02346	-4.15049	-.46056	.45000	-.01481	-.00267	-.00688
2.500	-6.627	1.99674	-.84896	-4.14567	-.35015	.41245	-.00763	-.00131	-.00618
2.500	-4.538	1.99721	-.64417	-4.13643	-.24690	.38328	.00102	.00023	-.00529
2.500	-2.458	1.99721	-.41582	-4.13084	-.15142	.36415	.00977	.00185	-.00487
2.500	-.383	1.99839	-.19124	-4.12733	-.06743	.35259	.01861	.00334	-.00458
2.500	1.696	2.00086	.04574	-4.12559	.01585	.34643	.02493	.00456	-.00447
2.500	3.762	2.00121	.29179	-4.12264	.10232	.35065	.03506	.00661	-.00406
	GRADIENT	.00056	.11243	.00158	.04171	-.00400	.00401	.00075	.00014

LARC UPWT 1177(IA94B) OTSAT130 (TJW074) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 140/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.739	1.99898	-1.03312	-.00399	-.46129	.44650	-.00845	-.00215	-.00745
2.500	-6.640	2.00063	-.87398	-.00110	-.35676	.40820	.00072	-.00059	-.00659
2.500	-4.547	2.00110	-.65838	.00012	-.24837	.37724	.01043	.00099	-.00584
2.500	-2.461	1.99862	-.42589	.00092	-.15259	.35828	.01729	.00229	-.00571
2.500	-.389	1.99898	-.20225	.00229	-.07065	.34932	.02182	.00333	-.00637
2.500	1.691	1.99803	.02994	.00252	.01034	.34536	.03164	.00486	-.00584
2.500	3.759	1.99662	.27742	.00202	.09615	.34657	.03911	.00648	-.00640
	GRADIENT	-.00046	.11209	.00026	.04103	-.00358	.00345	.00065	-.00006

LARC UPWT 1177(IA94B) OTSAT130 (TJW075) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 143/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.739	2.00169	-1.03762	4.15253	-.46282	.45182	-.00751	-.00221	-.01037
2.500	-6.646	2.00322	-.87199	4.15100	-.35679	.41376	.00125	-.00072	-.00985
2.500	-4.560	2.00145	-.67174	4.14547	-.25770	.38363	.00812	.00066	-.00996
2.500	-2.479	2.00015	-.44199	4.14262	-.16068	.36354	.01646	.00216	-.00980
2.500	-.394	2.00015	-.20836	4.14008	-.07335	.35205	.02380	.00347	-.00961
2.500	1.692	2.00004	.03289	4.13795	.01134	.34483	.03215	.00485	-.00935
2.500	3.757	1.99898	.28252	4.13616	.09857	.34888	.04281	.00687	-.00881
	GRADIENT	-.00024	.11456	-.00112	.04252	-.00424	.00409	.00073	.00013

LARC UPWT 1177(1A94B) OTSAT130 (TJW076) (02 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RUN NO. 144/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.500	-8.747	2.00227	-1.04809	6.22924	-.47673	.45485	-.01301	-.00248	-.01285
2.500	-6.661	2.00121	-.89481	6.22547	-.37265	.41646	-.00333	-.00089	-.01203
2.500	-4.569	2.00180	-.69046	6.21848	-.26623	.38559	.00594	.00080	-.01172
2.500	-2.475	2.00157	-.45116	6.21184	-.16441	.36442	.01616	.00256	-.01119
2.500	-.393	2.00133	-.21753	6.20761	-.07629	.35071	.02453	.00389	-.01091
2.500	1.691	2.00098	.03306	6.20577	.01135	.34341	.03194	.00518	-.01096
2.500	3.761	1.99968	.29529	6.20246	.10246	.34698	.04260	.00720	-.01042
	GRADIENT	-.00023	.11791	-.00183	.04385	-.00472	.00428	.00074	.00014

LARC UPWT 1177(1A94B) OTSAT130 (FJW001) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99747	-.93215	-.43284	.44009	-.02601	-.00413	-.00484
-6.000	-6.00000	1.99714	-.81407	-.33003	.40557	-.01930	-.00282	-.00442
-4.000	-6.00000	1.99751	-.60936	-.23169	.38016	-.01129	-.00136	-.00384
-2.000	-6.00000	1.99727	-.39215	-.14237	.36315	-.00050	.00042	-.00319
.000	-6.00000	1.99735	-.17677	-.06225	.35180	.00993	.00214	-.00262
2.000	-6.00000	1.99889	.06156	.02152	.34788	.01769	.00372	-.00236
4.000	-6.00000	1.99778	.30324	.10666	.35228	.02858	.00572	-.00172
GRADIENT	.00000	.00011	.11395	.04203	-.00355	.00490	.00087	.00025

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (FJW002) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99763	-.99646	-.43859	.43940	-.02924	-.00448	-.00671
-6.000	-4.00000	1.99986	-.82936	-.33546	.40477	-.02160	-.00300	-.00624
-4.000	-4.00000	2.00425	-.63185	-.23974	.37920	-.01384	-.00152	-.00580
-2.000	-4.00000	2.00532	-.40487	-.14637	.36177	-.00498	.00012	-.00549
.000	-4.00000	2.00498	-.18270	-.06431	.35138	.00243	.00146	-.00553
2.000	-4.00000	2.00310	.04813	.01679	.34639	.00851	.00273	-.00559
4.000	-4.00000	2.00545	.28261	.09889	.35055	.01592	.00448	-.00555
GRADIENT	.00000	.00001	.11410	.04202	-.00363	.00365	.00073	.00002

LARC UPWT 1177(IA94B) OTSAT130 (FJW003) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 10.000 ELV-RI = 8.000
ELV-RO = 10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00027	-1.00460	-.43723	.43454	-.01135	-.00342	-.00366
-6.000	.00000	2.00177	-.84040	-.33410	.39778	-.00216	-.00175	-.00305
-4.000	.00000	2.00133	-.63700	-.23663	.37133	.00615	-.00028	-.00283
-2.000	.00000	2.00013	-.40502	-.14379	.35517	.01284	.00099	-.00298
.000	.00000	2.00043	-.18302	-.06359	.34727	.01754	.00207	-.00351
2.000	.00000	2.00031	.03971	.01371	.34411	.02578	.00351	-.00327
4.000	.00000	1.99968	.28651	.09890	.34544	.03173	.00496	-.00406
GRADIENT	.00000	-.00016	.11459	.04143	-.00314	.00320	.00065	-.00014

LARC UPWT 1177(1A94B) OTSAT130 (FJW004) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00161	-1.01340	-.44807	.44159	-.02986	-.00468	-.01175
-6.000	4.00000	2.00066	-.85459	-.34717	.40642	-.02062	-.00308	-.01146
-4.000	4.00000	2.00061	-.65188	-.24759	.37969	-.01218	-.00164	-.01115
-2.000	4.00000	2.00039	-.42414	-.15350	.36211	-.00365	-.00011	-.01075
.000	4.00000	2.00065	-.20399	-.07179	.35152	.00303	.00113	-.01067
2.000	4.00000	1.99958	.02672	.00936	.34645	.01045	.00254	-.01070
4.000	4.00000	1.99714	.27153	.09477	.34958	.01938	.00435	-.01045
GRADIENT	.00000	-.00039	.11488	.04238	-.00379	.00386	.00073	.00007

LARC UPWT 1177(1A94B) OTSAT130 (FJW005) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00084	-1.02375	-.45559	.44453	-.03584	-.00500	-.01406
-6.000	6.00000	2.00106	-.87045	-.35601	.40911	-.02560	-.00332	-.01338
-4.000	6.00000	2.00145	-.67008	-.25607	.38207	-.01601	-.00165	-.01298
-2.000	6.00000	2.00057	-.44426	-.16146	.36353	-.00644	-.00002	-.01246
.000	6.00000	2.00148	-.21636	-.07603	.35110	.00134	.00126	-.01225
2.000	6.00000	2.00092	.02069	.00726	.34526	.00846	.00259	-.01240
4.000	6.00000	1.99994	.27284	.09497	.34871	.01939	.00459	-.01164
GRADIENT	.00000	-.00013	.11754	.04354	-.00425	.00428	.00075	.00014

LARC UPWT 1177(IA94B) OTSAT130 (FJW006) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99929	-.98107	-.43090	.43868	-.01475	-.00298	-.00375
-6.000	-6.00000	2.00024	-.81259	-.32841	.40423	-.00741	-.00169	-.00305
-4.000	-6.00000	2.00036	-.61081	-.23119	.37857	.00124	-.00021	-.00224
-2.000	-6.00000	1.99927	-.39232	-.14200	.36184	.01203	.00158	-.00144
.000	-6.00000	2.00022	-.16447	-.05763	.35038	.02261	.00333	-.00074
2.000	-6.00000	1.99971	.05759	.02006	.34720	.03000	.00482	-.00056
4.000	-6.00000	1.99804	.30985	.10866	.35119	.04210	.00698	.00034
GRADIENT	.00000	-.00021	.11456	.04209	-.00347	.00498	.00088	.00030

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00003	-1.00940	-.37986	.37616	.00791	-.00056	-.00125
-6.000	-6.00000	1.99997	-.89385	-.30658	.34295	.01067	-.00010	-.00055
-4.000	-6.00000	2.00019	-.71949	-.22731	.31599	.01304	.00055	-.00024
-2.000	-6.00000	2.00067	-.52184	-.15466	.29632	.01468	.00083	-.00001
.000	-6.00000	2.00056	-.29498	-.08366	.28366	.01614	.00128	-.00020
2.000	-6.00000	1.99994	-.04360	-.01211	.27849	.02096	.00221	.00025
4.000	-6.00000	2.00089	.23183	.06441	.27799	.02749	.00330	.00089
GRADIENT	.00000	.00003	.11904	.03630	-.00469	.00176	.00034	.00013

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99725	-1.04835	-.37533	.35821	-.02935	-.00287	-.01232
-6.000	-6.00000	1.99859	-.95747	-.31098	.32475	-.02807	-.00252	-.01181
-4.000	-6.00000	1.99770	-.81577	-.24192	.29657	-.02479	-.00185	-.01146
-2.000	-6.00000	1.99695	-.63024	-.17299	.27451	-.02283	-.00141	-.01095
.000	-6.00000	1.99737	-.40641	-.10472	.25767	-.02278	-.00126	-.01089
2.000	-6.00000	1.99791	-.17188	-.04245	.24669	-.02085	-.00090	-.01068
4.000	-6.00000	1.99850	.10141	.02488	.24435	-.01565	-.00009	-.00997
GRADIENT	.00000	.00013	.11464	.03321	-.00661	.00101	.00020	.00016

LARC UPWT 1177(IA94B) OTSAT130 (FJW007) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99938	-.99364	-.43480	.43695	-.01480	-.00312	-.00460
-6.000	-4.00000	1.99969	-.81657	-.32826	.40218	-.00715	-.00164	-.00397
-4.000	-4.00000	2.00008	-.61161	-.23027	.37641	.00151	-.00009	-.00336
-2.000	-4.00000	1.99914	-.39857	-.14345	.36008	.01060	.00146	-.00291
.000	-4.00000	1.99989	-.17965	-.06301	.35019	.01784	.00276	-.00284
2.000	-4.00000	1.99985	.05049	.01754	.34519	.02361	.00396	-.00276
4.000	-4.00000	2.00044	.28819	.10050	.34933	.03271	.00590	-.00253
GRADIENT	.00000	.00007	.11243	.04113	-.00345	.00377	.00072	.00009

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00064	-1.02153	-.37881	.37061	.00530	-.00120	-.00159
-6.000	-4.00000	2.00060	-.90627	-.30536	.33693	.00721	-.00064	-.00134
-4.000	-4.00000	2.00068	-.73438	-.22822	.31078	.00986	-.00002	-.00110
-2.000	-4.00000	2.00059	-.53468	-.15651	.29273	.01446	.00068	-.00038
.000	-4.00000	2.00072	-.31063	-.08742	.28136	.01945	.00153	-.00002
2.000	-4.00000	2.00121	-.08441	-.01771	.27573	.02146	.00221	-.00002
4.000	-4.00000	2.00030	.21806	.06001	.27555	.02776	.00338	.00040
GRADIENT	.00000	-.00001	.11876	.03576	-.00437	.00214	.00042	.00017

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99738	-1.04963	-.37025	.35290	-.03076	-.00335	-.01279
-6.000	-4.00000	1.99801	-.97255	-.31023	.31896	-.03036	-.00310	-.01234
-4.000	-4.00000	1.99801	-.83986	-.24279	.28908	-.02714	-.00248	-.01199
-2.000	-4.00000	1.99861	-.65115	-.17388	.26700	-.02533	-.00202	-.01151
.000	-4.00000	1.99824	-.43020	-.10886	.25313	-.02331	-.00137	-.01112
2.000	-4.00000	1.99745	-.19025	-.04647	.24398	-.01912	-.00063	-.01054
4.000	-4.00000	1.99829	.08040	.01944	.24101	-.01686	-.00012	-.01045
GRADIENT	.00000	-.00003	.11507	.03259	-.00596	.00134	.00031	.00020

LARC UPWT 1177(IA94B) OTSAT130 (FJW008) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99105	-.99773	-.43121	.43168	-.00368	-.00239	-.00332
-6.000	.00000	1.99030	-.83703	-.33155	.39622	.00501	-.00082	-.00276
-4.000	.00000	1.99071	-.62521	-.23102	.36940	.01409	.00068	-.00224
-2.000	.00000	1.98845	-.39638	-.14012	.35368	.02036	.00187	-.00248
.000	.00000	1.99045	-.18240	-.06326	.34646	.02494	.00293	-.00301
2.000	.00000	2.00216	.04352	.01499	.34315	.03218	.00435	-.00319
4.000	.00000	2.00003	.27442	.09447	.34453	.03881	.00580	-.00364
GRADIENT	.00000	.00162	.11196	.04030	-.00301	.00306	.00064	-.00018

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00044	-1.02780	-.37532	.36495	.00982	-.00161	-.00039
-6.000	.00000	1.99969	-.91878	-.30404	.33094	.01263	-.00111	.00009
-4.000	.00000	1.99968	-.75184	-.22977	.30560	.01532	-.00035	-.00008
-2.000	.00000	1.99998	-.54731	-.15779	.28833	.01588	.00029	-.00065
.000	.00000	1.99974	-.32058	-.08914	.27802	.02194	.00128	.00012
2.000	.00000	2.00010	-.08337	-.02270	.27264	.02857	.00246	.00115
4.000	.00000	1.99956	.20012	.05436	.27177	.03415	.00374	.00103
GRADIENT	.00000	-.00001	.11839	.03517	-.00417	.00252	.00052	.00020

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99870	-1.05575	-.36556	.34643	-.03727	-.00489	-.01396
-6.000	.00000	1.99816	-.97630	-.30581	.31320	-.03686	-.00458	-.01369
-4.000	.00000	1.99746	-.84646	-.24115	.28487	-.03384	-.00364	-.01341
-2.000	.00000	1.99802	-.67227	-.17751	.26408	-.03070	-.00289	-.01286
.000	.00000	1.99747	-.45180	-.11266	.24932	-.02532	-.00189	-.01190
2.000	.00000	1.99844	-.20184	-.04867	.24107	-.01959	-.00077	-.01054
4.000	.00000	1.99832	.06776	.01626	.23915	-.01372	.00028	-.00994
GRADIENT	.00000	.00011	.11494	.03218	-.00572	.00257	.00050	.00046

LARC DrWT 1177(IA94B) OTSAT130 (FJW009) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

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RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99940	-1.00553	-.44164	.43846	-.01164	-.00305	-.00840
-6.000	4.00000	2.00031	-.84307	-.33971	.40325	-.00319	-.00152	-.00823
-4.000	4.00000	2.00101	-.65087	-.24567	.37723	.00456	-.00016	-.00803
-2.000	4.00000	1.99927	-.42284	-.15209	.35995	.01390	.00136	-.00729
.000	4.00000	1.99995	-.19289	-.06760	.34979	.02127	.00269	-.00708
2.000	4.00000	1.99989	.04206	.01463	.34418	.02825	.00404	-.00722
4.000	4.00000	2.00106	.28777	.10013	.34869	.03820	.00599	-.00677
GRADIENT	.00000	.00004	.11711	.04292	-.00364	.00408	.00075	.00013

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00086	-1.01908	-.37786	.37058	-.00845	-.00367	-.00609
-6.000	4.00000	2.00119	-.90788	-.30567	.33667	-.00491	-.00286	-.00574
-4.000	4.00000	2.00113	-.74139	-.23002	.31030	-.00053	-.00165	-.00546
-2.000	4.00000	2.00068	-.54388	-.15882	.29200	.00187	-.00077	-.00550
.000	4.00000	2.00071	-.32182	-.09004	.27972	.00670	.00035	-.00510
2.000	4.00000	2.00050	-.08057	-.02200	.27367	.01241	.00163	-.00454
4.000	4.00000	2.00147	.19700	.05381	.27353	.01947	.00301	-.00450
GRADIENT	.00000	.00002	.11700	.03522	-.00459	.00253	.00059	.00014

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99809	-1.05694	-.36802	.34836	-.04596	-.00617	-.01674
-6.000	4.00000	1.99798	-.96826	-.30575	.31575	-.04609	-.00564	-.01658
-4.000	4.00000	1.99861	-.82659	-.23771	.28758	-.03969	-.00428	-.01578
-2.000	4.00000	1.99814	-.64742	-.17201	.26565	-.03634	-.00330	-.01525
.000	4.00000	1.99802	-.43752	-.11000	.25149	-.03023	-.00217	-.01402
2.000	4.00000	1.99802	-.20446	-.04955	.24209	-.02491	-.00103	-.01353
4.000	4.00000	1.99848	.07358	.01765	.23904	-.01928	.00012	-.01333
GRADIENT	.00000	-.00002	.11216	.03166	-.00603	.00261	.00055	.00033

LARC UPWT 1177(IA94B) OTSAT130 (FJW010) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99999	-1.01824	-.44981	.44115	-.01730	-.00338	-.01051
-6.000	6.00000	2.00080	-.85814	-.34768	.40535	-.00717	-.00169	-.00990
-4.000	6.00000	2.00143	-.65805	-.24933	.37879	.00186	-.00007	-.00954
-2.000	6.00000	2.00096	-.43182	-.15574	.36082	.01156	.00154	-.00899
.000	6.00000	2.00001	-.20430	-.07138	.34896	.01912	.00279	-.00882
2.000	6.00000	1.99990	.03601	.01248	.34328	.02652	.00414	-.00875
4.000	6.00000	2.00007	.29672	.10270	.34673	.03756	.00617	-.00806
GRADIENT	.00000	-.00019	.11887	.04361	-.00408	.00432	.00075	.00016

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00096	-1.01996	-.38170	.37399	-.00946	-.00385	-.00736
-6.000	6.00000	2.00058	-.90757	-.30880	.34028	-.00901	-.00317	-.00785
-4.000	6.00000	2.00129	-.74150	-.23259	.31367	-.00571	-.00167	-.00782
-2.000	6.00000	2.00170	-.54267	-.15960	.29407	-.00262	-.00110	-.00781
.000	6.00000	2.00078	-.32031	-.09002	.28104	.00086	.00005	-.00756
2.000	6.00000	2.00097	-.07154	-.01967	.27550	.01114	.00175	-.00605
4.000	6.00000	2.00201	.21122	.05808	.27523	.02488	.00360	-.00458
GRADIENT	.00000	.00004	.11883	.03606	-.00477	.00375	.00070	.00041

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99789	-1.05918	-.37181	.35120	-.05187	-.00675	-.01903
-6.000	6.00000	1.99911	-.97292	-.30978	.31835	-.04864	-.00590	-.01766
-4.000	6.00000	1.99874	-.83758	-.24312	.29030	-.04229	-.00432	-.01667
-2.000	6.00000	1.99859	-.64968	-.17382	.26745	-.03764	-.00321	-.01632
.000	6.00000	1.99860	-.43234	-.10913	.25256	-.03482	-.00231	-.01611
2.000	6.00000	1.99863	-.18313	-.04457	.24292	-.02580	-.00070	-.01475
4.000	6.00000	1.99823	.08910	.02153	.24048	-.01872	.00050	-.01441
GRADIENT	.00000	-.00005	.11600	.03293	-.00621	.00295	.00061	.00031

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00277	-.98704	-.37133	.37601	.00432	-.00031	-.00078
-6.000	-6.00000	2.00244	-.87139	-.29954	.34374	.00728	.00012	-.00007
-4.000	-6.00000	2.00183	-.69960	-.22224	.31771	.00928	.00067	.00011
-2.000	-6.00000	2.00314	-.50225	-.14994	.29851	.01011	.00086	.00014
.000	-6.00000	2.00172	-.27467	-.07862	.28625	.01225	.00139	.00011
2.000	-6.00000	2.00239	-.02440	-.00683	.28125	.01697	.00232	.00052
4.000	-6.00000	2.00186	.24205	.06798	.28102	.02345	.00343	.00103
GRADIENT	.00000	-.00003	.11806	.03618	-.00453	.00176	.00035	.00011

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99789	-1.02426	-.36914	.36059	-.02221	-.00213	-.00958
-6.000	-6.00000	1.99731	-.93226	-.30535	.32751	-.01892	-.00168	-.00875
-4.000	-6.00000	1.99719	-.78689	-.23530	.29903	-.01738	-.00117	-.00856
-2.000	-6.00000	1.99780	-.59620	-.16551	.27761	-.01468	-.00068	-.00783
.000	-6.00000	1.99736	-.38924	-.10172	.26140	-.01585	-.00064	-.00809
2.000	-6.00000	1.99725	-.14484	-.03643	.25106	-.01364	-.00026	-.00779
4.000	-6.00000	1.99730	.12621	.03151	.24886	-.00872	.00060	-.00727
GRADIENT	.00000	-.00002	.11388	.03313	-.00634	.00092	.00020	.00013

LARC UPWT 1177(IA94B) OTSAT130 (FJW012) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00044	-1.00508	-.37359	.37149	-.00072	-.00108	-.00219
-6.000	-4.00000	2.00061	-.88803	-.30036	.33822	.00161	-.00052	-.00177
-4.000	-4.00000	2.00078	-.71381	-.22323	.31274	.00423	.00003	-.00129
-2.000	-4.00000	2.00003	-.51544	-.15218	.29527	.00864	.00071	-.00074
.000	-4.00000	2.00037	-.29256	-.08322	.28437	.01318	.00156	-.00049
2.000	-4.00000	1.99999	-.05075	-.01409	.27864	.01594	.00224	-.00044
4.000	-4.00000	2.00073	.21597	.06004	.27830	.02218	.00342	-.00014
GRADIENT	.00000	-.00001	.11621	.03523	-.00427	.00216	.00042	.00013

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99726	-1.02516	-.36425	.35545	-.02244	-.00251	-.00992
-6.000	-4.00000	1.99727	-.94626	-.30465	.32194	-.02279	-.00233	-.00966
-4.000	-4.00000	1.99726	-.80790	-.23616	.29229	-.02139	-.00186	-.00961
-2.000	-4.00000	1.99727	-.61632	-.16696	.27090	-.01844	-.00138	-.00894
.000	-4.00000	1.99722	-.40022	-.10276	.25678	-.01339	-.00053	-.00800
2.000	-4.00000	1.99776	-.15973	-.03967	.24823	-.01048	.00013	-.00761
4.000	-4.00000	1.99791	.10895	.02675	.24530	-.00809	.00069	-.00757
GRADIENT	.00000	.00009	.11452	.03266	-.00583	.00173	.00033	.00027

LARC UPWT 1177(IA94B) OTSAT130 (FJW013) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00097	-1.00501	-.36622	.36412	.00949	-.00109	.00102
-6.000	.00000	2.00061	-.88990	-.29443	.33091	.01246	-.00061	.00154
-4.000	.00000	2.00021	-.71745	-.22006	.30667	.01466	.00008	.00125
-2.000	.00000	1.99973	-.51595	-.14966	.29018	.01523	.00072	.00066
.000	.00000	1.99920	-.29635	-.08320	.28054	.02042	.00164	.00110
2.000	.00000	1.99936	-.05536	-.01517	.27515	.02594	.00276	.00176
4.000	.00000	2.00003	.21624	.05939	.27500	.03176	.00410	.00158
GRADIENT	.00000	-.00004	.11640	.03467	-.00392	.00225	.00050	.00009

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99919	-1.02741	-.35817	.34876	-.03331	-.00415	-.01216
-6.000	.00000	1.99795	-.94903	-.30000	.31607	-.03300	-.00390	-.01192
-4.000	.00000	1.99785	-.82007	-.23677	.28873	-.02910	-.00297	-.01130
-2.000	.00000	1.99781	-.63466	-.16997	.26779	-.02669	-.00234	-.01076
.000	.00000	1.99841	-.41395	-.10497	.25362	-.02090	-.00127	-.00979
2.000	.00000	1.99799	-.17516	-.04304	.24562	-.01330	-.00001	-.00815
4.000	.00000	1.99781	.08983	.02189	.24329	-.00706	.00105	-.00750
GRADIENT	.00000	.00000	.11396	.03221	-.00565	.00287	.00052	.00051

LARC UPWT 1177(IA94B) OTSAT130 (FJW014) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00082	-1.00569	-.37457	.37219	-.01403	-.00326	-.00718
-6.000	4.00000	2.00113	-.89068	-.30156	.33859	-.01012	-.00248	-.00666
-4.000	4.00000	2.00081	-.72688	-.22698	.31228	-.00587	-.00141	-.00667
-2.000	4.00000	2.00142	-.53273	-.15683	.29439	-.00508	-.00056	-.00685
.000	4.00000	2.00142	-.31247	-.08834	.28261	.00071	.00059	-.00625
2.000	4.00000	2.00018	-.06901	-.01907	.27687	.00492	.00180	-.00615
4.000	4.00000	2.00107	.19744	.05454	.27653	.01220	.00320	-.00604
GRADIENT	.00000	-.00004	.11562	.03504	-.00445	.00241	.00058	.00010

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99799	-1.02990	-.36149	.35119	-.03868	-.00508	-.01519
-6.000	4.00000	1.99726	-.94245	-.30008	.31836	-.03765	-.00453	-.01444
-4.000	4.00000	1.99778	-.80152	-.23309	.29082	-.03302	-.00341	-.01401
-2.000	4.00000	1.99790	-.62030	-.16714	.26943	-.02803	-.00235	-.01325
.000	4.00000	1.99781	-.40946	-.10430	.25477	-.02319	-.00133	-.01220
2.000	4.00000	1.99840	-.17246	-.04241	.24565	-.01837	-.00018	-.01181
4.000	4.00000	1.99807	.10278	.02505	.24314	-.01193	.00101	-.01143
GRADIENT	.00000	.00005	.11282	.03205	-.00596	.00259	.00055	.00033

LARC UPWT 1177(IA94B) OTSAT130 (FJW015) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00178	-1.01047	-.36006	.37587	-.01785	-.00357	-.00969
-6.000	6.00000	2.00164	-.89698	-.30699	.34228	-.01797	-.00296	-.01026
-4.000	6.00000	2.00160	-.72787	-.23021	.31628	-.01399	-.00178	-.01001
-2.000	6.00000	2.00155	-.52954	-.15728	.29702	-.01063	-.00087	-.00977
.000	6.00000	2.00170	-.31028	-.08819	.28419	-.00697	.00026	-.00949
2.000	6.00000	2.00155	-.06065	-.01688	.27897	.00386	.00201	-.00788
4.000	6.00000	2.00069	.21352	.05951	.27897	.01826	.00388	-.00637
GRADIENT	.00000	-.00009	.11758	.03599	-.00463	.00395	.00071	.00046

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99785	-1.04092	-.36941	.35514	-.04154	-.00546	-.01687
-6.000	6.00000	1.99781	-.94033	-.30284	.32197	-.04081	-.00477	-.01609
-4.000	6.00000	1.99784	-.80643	-.23638	.29316	-.03470	-.00334	-.01503
-2.000	6.00000	1.99790	-.61527	-.16724	.27177	-.03082	-.00231	-.01469
.000	6.00000	1.99738	-.40259	-.10327	.25665	-.02646	-.00136	-.01449
2.000	6.00000	1.99728	-.15323	-.03791	.24700	-.01875	.00017	-.01325
4.000	6.00000	1.99774	.10838	.02662	.24475	-.01145	.00143	-.01289
GRADIENT	.00000	-.00004	.11458	.03277	-.00608	.00293	.00060	.00029

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (FJW016) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99836	-.97128	-.42659	.43865	-.01753	-.00261	-.00623
-6.000	-6.00000	1.99850	-.80092	-.32388	.40446	-.01132	-.00143	-.00567
-4.000	-6.00000	1.99839	-.59799	-.22663	.37908	-.00363	-.00008	-.00501
-2.000	-6.00000	1.99815	-.38137	-.13831	.36252	.00705	.00169	-.00429
.000	-6.00000	1.99715	-.15590	-.05468	.35077	.01830	.00352	-.00349
2.000	-6.00000	1.99848	.07063	.02464	.34783	.02631	.00503	-.00308
4.000	-6.00000	1.99811	.33040	.11615	.35201	.03781	.00724	-.00248
GRADIENT	.00000	-.00001	.11544	.04243	-.00344	.00511	.00090	.00031

LARC UPWT 1177(IA94B) OTSAT130 (FJW017) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99938	-.98946	-.43287	.43702	-.01927	-.00284	-.00774
-6.000	-4.00000	1.99869	-.81438	-.32777	.40246	-.01209	-.00145	-.00720
-4.000	-4.00000	1.99856	-.60082	-.22596	.37622	-.00327	.00009	-.00639
-2.000	-4.00000	1.99932	-.38930	-.14032	.36038	.00536	.00162	-.00606
.000	-4.00000	1.99919	-.16684	-.05840	.34980	.01341	.00296	-.00583
2.000	-4.00000	2.00023	.05836	.02028	.34572	.01914	.00414	-.00576
4.000	-4.00000	2.00048	.30365	.10620	.35036	.02824	.00617	-.00554
GRADIENT	.00000	.00024	.11283	.04125	-.00332	.00384	.00073	.00010

LARC UPWT 1177(IA94B) OTSAT130 (FJW018) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99962	-.99035	-.42759	.43121	-.00588	-.00191	-.00576
-6.000	.00000	1.99776	-.81839	-.32323	.39503	.00210	-.00045	-.00527
-4.000	.00000	1.99846	-.60781	-.22428	.36902	.00966	.00092	-.00517
-2.000	.00000	2.00216	-.38909	-.13777	.35414	.01446	.00198	-.00555
.000	.00000	2.00061	-.16055	-.05564	.34627	.01994	.00313	-.00600
2.000	.00000	2.00037	.06744	.02320	.34307	.03014	.00472	-.00528
4.000	.00000	1.99998	.29875	.10315	.34564	.03494	.00615	-.00656
GRADIENT	.00000	.00006	.11348	.04079	-.00289	.00331	.00066	-.00012

LARC UPWT 1177(IA94B) OTSAT130 (FJW019) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99934	-1.00123	-.43895	.43787	-.01540	-.00269	-.01149
-6.000	4.00000	2.00013	-.83781	-.33770	.40324	-.00719	-.00124	-.01125
-4.000	4.00000	1.99934	-.63305	-.23862	.37681	.00048	.00015	-.01107
-2.000	4.00000	1.99927	-.40244	-.14466	.35966	.00977	.00172	-.01046
.000	4.00000	2.00000	-.17270	-.06047	.34959	.01721	.00299	-.01010
2.000	4.00000	2.00051	.05226	.01813	.34443	.02468	.00433	-.00996
4.000	4.00000	1.99954	.29753	.10363	.34895	.03513	.00633	-.00945
GRADIENT	.00000	.00008	.11579	.04237	-.00355	.00421	.00075	.00019

LARC UPWT 1177(IA94B) OTSAT130 (FJW020) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99969	-1.00633	-.44312	.43973	-.02009	-.00289	-.01343
-6.000	6.00000	1.99975	-.84257	-.34078	.40465	-.01051	-.00127	-.01276
-4.000	6.00000	2.00000	-.63846	-.24179	.37860	-.00111	.00036	-.01238
-2.000	6.00000	2.00043	-.41211	-.14858	.36068	.00877	.00200	-.01181
.000	6.00000	1.99969	-.18717	-.06538	.34878	.01598	.00320	-.01158
2.000	6.00000	1.99971	.05188	.01794	.34327	.02383	.00457	-.01146
4.000	6.00000	1.99980	.30957	.10740	.34759	.03445	.00657	-.01080
GRADIENT	.00000	-.00006	.11800	.04324	-.00397	.00431	.00075	.00018

LARC UPWT 1177(IA94B) OTSAT130 (FJW021) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00140	-.99324	-.37289	.37522	.00088	-.00070	-.00175
-6.000	-6.00000	2.00141	-.87220	-.29855	.34227	.00402	-.00025	-.00094
-4.000	-6.00000	2.00098	-.69794	-.22058	.31612	.00669	.00036	-.00063
-2.000	-6.00000	2.00107	-.50214	-.14920	.29706	.00804	.00060	-.00045
.000	-6.00000	2.00096	-.27372	-.07793	.28473	.00990	.00109	-.00055
2.000	-6.00000	2.00079	-.02212	-.00614	.27965	.01435	.00198	-.00018
4.000	-6.00000	2.00080	.25654	.07168	.27961	.02143	.00311	.00060
GRADIENT	.00000	-.00003	.11945	.03638	-.00452	.00179	.00034	.00014

LARC UPWT 1177(IA94B) OTSAT130 (FJW021) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99940	-1.02157	-.36583	.35828	-.01849	-.00208	-.00896
-6.000	-6.00000	1.99156	-.93339	-.30400	.32569	-.01799	-.00179	-.00883
-4.000	-6.00000	1.99792	-.77970	-.23225	.29784	-.01572	-.00124	-.00857
-2.000	-6.00000	1.99822	-.59120	-.16326	.27622	-.01289	-.00072	-.00784
.000	-6.00000	1.99818	-.37497	-.09724	.25935	-.01480	-.00069	-.00813
2.000	-6.00000	1.99849	-.13194	-.03290	.24892	-.01412	-.00043	-.00831
4.000	-6.00000	1.99752	.13855	.03442	.24747	-.00955	.00038	-.00791
GRADIENT	.00000	-.00003	.11479	.03318	-.00640	.00056	.00018	.00004

LARC UPWT 1177(IA94B) OTSAT130 (FJW022) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00093	-1.00970	-.37464	.37077	-.00089	-.00133	-.00213
-6.000	-4.00000	2.00102	-.89163	-.30061	.33719	.00173	-.00076	-.00179
-4.000	-4.00000	1.99980	-.72062	-.22453	.31156	.00479	-.00017	-.00135
-2.000	-4.00000	1.99970	-.51866	-.15242	.29390	.01004	.00059	-.00046
.000	-4.00000	1.99986	-.29014	-.08210	.28281	.01419	.00141	-.00024
2.000	-4.00000	2.00004	-.04088	-.01126	.27710	.01811	.00219	.00012
4.000	-4.00000	2.00030	.22541	.06234	.27692	.02333	.00333	.00029
GRADIENT	.00000	.00007	.11849	.03575	-.00430	.00226	.00043	.00019

LARC UPWT 1177(IA94B) OTSAT130 (FJW022) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99433	-1.03146	-.36419	.35330	-.02224	-.00268	-.01029
-6.000	-4.00000	1.99726	-.94160	-.30113	.31973	-.02266	-.00251	-.01005
-4.000	-4.00000	1.99601	-.80840	-.23544	.29129	-.02037	-.00197	-.00977
-2.000	-4.00000	1.99801	-.62026	-.16695	.26908	-.01877	-.00156	-.00946
.000	-4.00000	1.99853	-.40431	-.10320	.25537	-.01497	-.00082	-.00866
2.000	-4.00000	1.99787	-.15998	-.03956	.24696	-.01124	-.00003	-.00831
4.000	-4.00000	1.99777	.11496	.02809	.24399	-.00863	.00052	-.00818
GRADIENT	.00000	.00017	.11535	.03272	-.00584	.00155	.00033	.00022

LARC UPWT 1177(IA94B) OTSAT130 (FJW023) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00044	-1.01126	-.36825	.36398	.00796	-.00143	.00038
-6.000	.00000	2.00223	-.89766	-.29670	.33048	.01058	-.00096	.00091
-4.000	.00000	2.00088	-.72451	-.22122	.30538	.01502	-.00014	.00111
-2.000	.00000	1.99668	-.52405	-.15140	.28886	.01435	.00041	.00017
.000	.00000	1.99696	-.29332	-.08180	.27888	.01850	.00128	.00059
2.000	.00000	1.99968	-.04921	-.01348	.27420	.02424	.00241	.00136
4.000	.00000	2.00265	.21975	.06003	.27319	.03062	.00374	.00134
GRADIENT	.00000	.00033	.11817	.03502	-.00395	.00206	.00049	.00008

LARC UPWT 1177(1A94B) OTSAT130 (FJW023) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99796	-1.02914	-.35682	.34692	-.02385	-.00387	-.00958
-6.000	.00000	1.99673	-.94153	-.29492	.31319	-.02347	-.00352	-.00916
-4.000	.00000	1.99684	-.80848	-.23136	.28617	-.02051	-.00266	-.00887
-2.000	.00000	1.99926	-.62802	-.16683	.26568	-.01714	-.00195	-.00827
.000	.00000	1.99452	-.39072	-.09813	.25109	-.01350	-.00103	-.00772
2.000	.00000	1.99868	-.15284	-.03715	.24303	-.00717	.00017	-.00647
4.000	.00000	1.99701	.11288	.02729	.24137	-.00161	.00117	-.00603
GRADIENT	.00000	-.00001	.11589	.03235	-.00561	.00239	.00049	.00037

LARC UPWT 1177(1A94B) OTSAT130 (FJW024) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99987	-1.00659	-.37402	.37135	-.01356	-.00359	-.00688
-6.000	4.00000	2.00056	-.89294	-.30145	.33759	-.01014	-.00283	-.00645
-4.000	4.00000	2.00003	-.72650	-.22620	.31140	-.00542	-.00160	-.00500
-2.000	4.00000	1.99994	-.52843	-.15503	.29333	-.00352	-.00073	-.00620
.000	4.00000	1.99894	-.30585	-.08598	.28111	.00208	.00041	-.00571
2.000	4.00000	1.99960	-.06577	-.01808	.27555	.00738	.00164	-.00522
4.000	4.00000	1.99902	.21065	.05796	.27546	.01222	.00293	-.00559
GRADIENT	.00000	-.00012	.11685	.03526	-.00448	.00231	.00057	.00009

LARC UPWT 1177(1A94B) OTSAT130 (FJW024) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99707	-1.03600	-.36403	.35162	-.03928	-.00537	-.01555
-6.000	4.00000	1.99780	-.94463	-.30082	.31839	-.03728	-.00475	-.01489
-4.000	4.00000	1.99771	-.80610	-.23396	.29026	-.03262	-.00358	-.01434
-2.000	4.00000	1.99900	-.62286	-.16730	.26857	-.02840	-.00258	-.01373
.000	4.00000	1.99706	-.41260	-.10481	.25411	-.02382	-.00149	-.01275
2.000	4.00000	1.99583	-.16636	-.04085	.24531	-.01875	-.00040	-.01244
4.000	4.00000	1.99775	.10144	.02463	.24242	-.01433	.00063	-.01246
GRADIENT	.00000	-.00015	.11358	.03218	-.00595	.00231	.00053	.00025

LARC UPWT 1177(1A94B) OTSAT130 (FJW025) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00028	-1.00985	-.37891	.37500	-.01520	-.00372	-.00863
-6.000	6.00000	2.00005	-.89589	-.30613	.34170	-.01490	-.00312	-.00907
-4.000	6.00000	1.99984	-.72462	-.22822	.31498	-.01127	-.00192	-.00896
-2.000	6.00000	2.00033	-.52501	-.15517	.29554	-.00873	-.00104	-.00907
.000	6.00000	1.99952	-.30316	-.08567	.28255	-.00528	.00005	-.00876
2.000	6.00000	1.99932	-.05210	-.01440	.27730	.00464	.00175	-.00748
4.000	6.00000	1.99905	.22066	.06117	.27758	.01919	.00364	-.00603
GRADIENT	.00000	-.00013	.11817	.03598	-.00465	.00371	.00070	.00037

LARC UPWT 1177(IA94B) OTSAT130 (FJW025) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99862	-1.04094	-.36915	.35483	-.04661	-.00609	-.01833
-6.000	6.00000	1.99631	-.94850	-.30501	.32156	-.04402	-.00524	-.01743
-4.000	6.00000	1.99643	-.80423	-.23510	.29230	-.03783	-.00376	-.01636
-2.000	6.00000	1.99829	-.62281	-.16879	.27104	-.03316	-.00265	-.01597
.000	6.00000	1.99785	-.40367	-.10332	.25592	-.02955	-.00172	-.01570
2.000	6.00000	1.99816	-.15727	-.03884	.24681	-.02109	-.00017	-.01450
4.000	6.00000	1.99760	.11030	.02700	.24437	-.01439	.00103	-.01414
GRADIENT	.00000	.00011	.11473	.03271	-.00600	.00295	.00060	.00030

LARC UPWT 1177(IA94B) OTSAT130 (FJW026) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00288	-1.00424	-.44134	.43902	-.03081	-.00445	-.00584
-6.000	-6.00000	2.00291	-.84416	-.34174	.40487	-.02374	-.00320	-.00533
-4.000	-6.00000	2.00298	-.64241	-.24306	.37842	-.01463	-.00172	-.00461
-2.000	-6.00000	2.00349	-.42113	-.15197	.36080	-.00308	.00011	-.00382
.000	-6.00000	2.00371	-.19218	-.06700	.34853	.00827	.00197	-.00309
2.000	-6.00000	2.00419	.03576	.01240	.34446	.01652	.00355	-.00283
4.000	-6.00000	2.00331	.28809	.10027	.34864	.02855	.00572	-.00201
GRADIENT	.00000	.00007	.11589	.04255	-.00379	.00530	.00092	.00031

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (FJW026) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00308	-1.02658	-.38704	.37684	-.00438	-.00207	-.00288
-6.000	-6.00000	2.00313	-.90611	-.31110	.34330	-.00144	-.00160	-.00228
-4.000	-6.00000	2.00349	-.73127	-.23097	.31592	.00181	-.00090	-.00181
-2.000	-6.00000	2.00331	-.53576	-.15882	.29641	.00378	-.00063	-.00153
.000	-6.00000	2.00389	-.31189	-.08845	.28353	.00694	-.00005	-.00139
2.000	-6.00000	2.00397	-.06150	-.01702	.27767	.01226	.00091	-.00082
4.000	-6.00000	2.00364	.21726	.06021	.27744	.01927	.00205	-.00015
GRADIENT	.00000	.00005	.11857	.03621	-.00479	.00217	.00037	.00020

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99867	-1.04162	-.37330	.35859	-.04606	-.00487	-.01380
-6.000	-6.00000	1.99803	-.94745	-.30823	.32528	-.04381	-.00448	-.01324
-4.000	-6.00000	1.99843	-.79864	-.23743	.29730	-.04137	-.00383	-.01295
-2.000	-6.00000	1.99914	-.60746	-.16742	.27559	-.03941	-.00346	-.01255
.000	-6.00000	1.99811	-.39562	-.10246	.25904	-.04007	-.00332	-.01270
2.000	-6.00000	1.99837	-.15211	-.03784	.24832	-.03763	-.00296	-.01248
4.000	-6.00000	1.99901	.11803	.02914	.24598	-.03221	-.00207	-.01166
GRADIENT	.00000	.00002	.11443	.03314	-.00650	.00101	.00021	.00013

LARC UPWT 1177(IA94B) OTSAT130 (FJW027) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00334	-1.01512	-.44318	.43603	-.02932	-.00453	-.00624
-6.000	-4.00000	2.00390	-.85217	-.34225	.40176	-.02195	-.00314	-.00587
-4.000	-4.00000	2.00509	-.65359	-.24572	.37589	-.01437	-.00172	-.00546
-2.000	-4.00000	2.00451	-.43637	-.15648	.35875	-.00444	-.00004	-.00512
.000	-4.00000	2.00408	-.20862	-.07260	.34741	.00324	.00131	-.00513
2.000	-4.00000	2.00209	.02349	.00818	.34134	.01010	.00260	-.00488
4.000	-4.00000	1.99823	.27756	.09609	.34709	.02062	.00480	-.00448
GRADIENT	.00000	-.00081	.11611	.04241	-.00375	.00423	.00078	.00011

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00166	-1.03680	-.38542	.37151	-.00335	-.00251	-.00225
-6.000	-4.00000	2.00132	-.91709	-.30931	.33727	-.00058	-.00189	-.00199
-4.000	-4.00000	2.00057	-.74426	-.23126	.31076	.00223	-.00128	-.00171
-2.000	-4.00000	2.00060	-.54421	-.15939	.29288	.00713	-.00056	-.00101
.000	-4.00000	2.00130	-.32022	-.09005	.28115	.01177	.00029	-.00075
2.000	-4.00000	2.00166	-.07693	-.02112	.27521	.01509	.00100	-.00051
4.000	-4.00000	2.00202	.20270	.05567	.27497	.02111	.00221	-.00002
GRADIENT	.00000	.00020	.11806	.03561	-.00446	.00229	.00043	.00019

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99912	-1.03810	-.36651	.35324	-.04569	-.00519	-.01371
-6.000	-4.00000	1.99913	-.95467	-.30514	.31957	-.04614	-.00503	-.01362
-4.000	-4.00000	1.99916	-.81834	-.23793	.29078	-.04375	-.00448	-.01348
-2.000	-4.00000	1.99861	-.62367	-.16748	.26844	-.04224	-.00404	-.01319
.000	-4.00000	1.99846	-.41122	-.10470	.25479	-.03830	-.00331	-.01249
2.000	-4.00000	1.99907	-.17357	-.04274	.24569	-.03537	-.00265	-.01223
4.000	-4.00000	1.99873	.09802	.02389	.24298	-.03302	-.00213	-.01212
GRADIENT	.00000	-.00002	.11414	.03242	-.00591	.00142	.00031	.00018

LARC UPWT 1177(IA94B) OTSAT130 (FJW028) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00199	-1.02619	-.44479	.43299	-.02694	-.00439	-.00667
-6.000	.00000	2.00189	-.86496	-.34361	.39732	-.01728	-.00282	-.00597
-4.000	.00000	2.00151	-.65596	-.24305	.37050	-.00719	-.00124	-.00535
-2.000	.00000	2.00065	-.43745	-.15501	.35445	-.00024	-.00001	-.00548
.000	.00000	2.00089	-.22099	-.07650	.34593	.00503	.00105	-.00579
2.000	.00000	2.00234	.00283	.00104	.34161	.01439	.00256	-.00540
4.000	.00000	2.00128	.24845	.08518	.34323	.02225	.00425	-.00589
GRADIENT	.00000	.00006	.11246	.04062	-.00337	.00368	.00068	-.00005

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00075	-1.04258	-.38218	.36635	-.00984	-.00349	-.00364
-6.000	.00000	2.00132	-.93427	-.31043	.33229	-.00497	-.00285	-.00301
-4.000	.00000	2.00248	-.76890	-.23596	.30685	-.00059	-.00200	-.00295
-2.000	.00000	2.00208	-.57015	-.16519	.28980	.00052	-.00136	-.00347
.000	.00000	2.00206	-.34571	-.09657	.27922	.00711	-.00037	-.00254
2.000	.00000	2.00278	-.09759	-.02661	.27315	.01365	.00081	-.00142
4.000	.00000	2.00226	.17060	.04639	.27217	.01920	.00208	-.00143
GRADIENT	.00000	.00001	.11758	.03516	-.00430	.00264	.00052	.00025

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99783	-1.04789	-.36306	.34664	-.05761	-.00708	-.01638
-6.000	.00000	1.99854	-.96182	-.30179	.31372	-.05622	-.00668	-.01586
-4.000	.00000	1.99799	-.82523	-.23625	.28629	-.05321	-.00579	-.01558
-2.000	.00000	1.99839	-.64267	-.17059	.26543	-.04919	-.00500	-.01470
.000	.00000	1.99906	-.43801	-.10986	.25086	-.04454	-.00407	-.01385
2.000	.00000	1.99914	-.19341	-.04695	.24263	-.03819	-.00290	-.01262
4.000	.00000	1.99911	.07052	.01698	.24022	-.03204	-.00182	-.01192
GRADIENT	.00000	.00015	.11204	03151	-.00575	.00267	.00050	.00047

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00271	-1.03230	-.45191	.43725	-.02571	-.00458	-.00867
-6.000	4.00000	2.00394	-.87138	-.35034	.40218	-.01759	-.00313	-.00860
-4.000	4.00000	2.00270	-.66829	-.25070	.37505	-.00944	-.00166	-.00843
-2.000	4.00000	2.00345	-.44478	-.15902	.35771	-.00015	-.00015	-.00793
.000	4.00000	2.00395	-.22129	-.07691	.34706	.00670	.00110	-.00773
2.000	4.00000	2.00418	.01369	.00481	.34144	.01576	.00259	-.00740
4.000	4.00000	2.00252	.26714	.09206	.34540	.02609	.00461	-.00706
GRADIENT	.00000	.00002	.11647	.04247	-.00378	.00435	.00076	.00016

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00100	-1.03354	-.38337	.37072	-.01602	-.00478	-.00612
-6.000	4.00000	2.00152	-.91636	-.30837	.33649	-.01221	-.00392	-.00586
-4.000	4.00000	2.00224	-.74592	-.23105	.30980	-.00699	-.00267	-.00539
-2.000	4.00000	2.00101	-.55054	-.16047	.29145	-.00444	-.00182	-.00547
.000	4.00000	2.00142	-.32913	-.09195	.27931	.00020	-.00074	-.00514
2.000	4.00000	2.00158	-.08650	-.02360	.27335	.00690	.00060	-.00438
4.000	4.00000	2.00131	.19271	.05254	.27296	.01132	.00180	-.00447
GRADIENT	.00000	-.00007	.11706	.03520	-.00459	.00240	.00057	.00015

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99842	-1.04474	-.36518	.34976	-.06227	-.00796	-.01816
-6.000	4.00000	1.99907	-.95170	-.30130	.31653	-.06018	-.00732	-.01750
-4.000	4.00000	1.99913	-.81563	-.23548	.28874	-.05577	-.00618	-.01684
-2.000	4.00000	1.99911	-.62714	-.16783	.26756	-.04993	-.00504	-.01609
.000	4.00000	1.99912	-.41306	-.10455	.25321	-.04477	-.00396	-.01516
2.000	4.00000	1.99911	-.18093	-.04418	.24392	-.04084	-.00288	-.01502
4.000	4.00000	1.99912	.09008	.02176	.24101	-.03459	-.00174	-.01445
GRADIENT	.00000	-.00000	.11288	.03191	-.00596	.00257	.00055	.00029

LARC UPWT 1177(1A94B) OTSAT130 (FJW030) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00321	-1.03686	-.45574	.43895	-.03048	-.00483	-.01029
-6.000	6.00000	2.00344	-.87792	-.35435	.40384	-.02049	-.00318	-.00979
-4.000	6.00000	2.00323	-.67897	-.25590	.37674	-.01090	-.00151	-.00940
-2.000	6.00000	2.00310	-.45101	-.16132	.35789	-.00018	.00018	-.00867
.000	6.00000	2.00463	-.22665	-.07853	.34605	.00702	.00143	-.00857
2.000	6.00000	2.00325	.01172	.00413	.34037	.01437	.00277	-.00860
4.000	6.00000	2.00234	.28121	.09664	.34443	.02549	.00485	-.00791
GRADIENT	.00000	-.00008	.11915	.04353	-.00411	.00437	.00077	.00015

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00173	-1.03519	-.38788	.37445	-.01612	-.00487	-.00710
-6.000	6.00000	2.00164	-.91951	-.31298	.34040	-.01583	-.00422	-.00764
-4.000	6.00000	2.00144	-.74898	-.23513	.31394	-.01149	-.00299	-.00731
-2.000	6.00000	2.00111	-.54936	-.16153	.29401	-.00687	-.00202	-.00715
.000	6.00000	2.00095	-.32495	-.09123	.28073	-.00444	-.00097	-.00712
2.000	6.00000	2.00119	-.07346	-.02017	.27524	.00578	.00074	-.00560
4.000	6.00000	2.00129	.20600	.05662	.27518	.02068	.00266	-.00362
GRADIENT	.00000	-.00001	.11929	.03624	-.00481	.00385	.00070	.00045

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99905	-1.04850	-.36919	.35233	-.06619	-.00846	-.01982
-6.000	6.00000	1.99917	-.95363	-.30575	.32054	-.06284	-.00756	-.01872
-4.000	6.00000	1.99960	-.81967	-.23952	.29225	-.05572	-.00599	-.01741
-2.000	6.00000	1.99904	-.62863	-.16965	.26980	-.05180	-.00492	-.01733
.000	6.00000	1.99909	-.40713	-.10364	.25467	-.04674	-.00389	-.01678
2.000	6.00000	1.99961	-.16123	-.03957	.24504	-.03887	-.00239	-.01545
4.000	6.00000	1.99932	.10924	.02662	.24278	-.03234	-.00121	-.01506
GRADIENT	.00000	.00010	.11626	.03312	-.00619	.00298	.00060	.00033

LARC UPWT 1177(IA94B) OTSAT130 (FJW032) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99537	-1.04450	-.46018	.44013	-.03583	-.00478	-.00560
-6.000	-6.00000	1.99595	-.88154	-.35843	.40668	-.02798	-.00342	-.00490
-4.000	-6.00000	1.99967	-.67925	-.25768	.37935	-.01927	-.00191	-.00428
-2.000	-6.00000	1.99935	-.45588	-.16444	.36072	-.00758	-.00004	-.00348
.000	-6.00000	1.99938	-.23988	-.08367	.34876	.00319	.00172	-.00287
2.000	-6.00000	1.99966	-.01650	-.00567	.34460	.01183	.00323	-.00240
4.000	-6.00000	1.99927	.23948	.08338	.34807	.02467	.00546	-.00147
GRADIENT	.00000	-.00002	.11384	.04204	-.00393	.00536	.00090	.00034

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00037	-1.05977	-.40297	.38006	-.00409	-.00148	-.00299
-6.000	-6.00000	2.00051	-.94749	-.32798	.34617	-.00086	-.00108	-.00250
-4.000	-6.00000	1.99994	-.78050	-.24841	.31829	.00286	-.00032	-.00203
-2.000	-6.00000	2.00020	-.58807	-.17514	.29729	.00521	.00002	-.00170
.000	-6.00000	2.00051	-.36084	-.10252	.28413	.00697	.00049	-.00179
2.000	-6.00000	2.00035	-.11338	-.03152	.27808	.01265	.00143	-.00121
4.000	-6.00000	2.00051	.16928	.04688	.27693	.01890	.00251	-.00060
GRADIENT	.00000	.00006	.11876	.03671	-.00510	.00197	.00035	.00017

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99928	-1.09326	-.39246	.35954	-.02510	-.00294	-.01141
-6.000	-6.00000	1.99876	-.99346	-.32437	.32638	-.02319	-.00250	-.01090
-4.000	-6.00000	1.99866	-.85071	-.25346	.29797	-.02013	-.00185	-.01053
-2.000	-6.00000	1.99865	-.67208	-.18516	.27554	-.01774	-.00133	-.01024
.000	-6.00000	1.99859	-.46370	-.11960	.25792	-.01756	-.00114	-.01018
2.000	-6.00000	1.99861	-.21735	-.05372	.24700	-.01525	-.00079	-.01003
4.000	-6.00000	1.99865	.05554	.01364	.24399	-.01111	-.00007	-.00967
GRADIENT	.00000	-.00000	.11336	.03328	-.00682	.00103	.00020	.00010

LARC UPWT 1177(1A94B) OTSAT130 (FJW033) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99930	-1.05498	-.46432	.43953	-.03234	-.00478	-.00542
-6.000	-4.00000	1.99949	-.88452	-.35693	.40371	-.02336	-.00321	-.00482
-4.000	-4.00000	1.99960	-.68925	-.25971	.37672	-.01534	-.00166	-.00452
-2.000	-4.00000	1.99905	-.46965	-.16878	.35943	-.00612	-.00005	-.00403
.000	-4.00000	1.99963	-.26132	-.09112	.34859	.00154	.00128	-.00416
2.000	-4.00000	2.00027	-.03068	-.01051	.34300	.00767	.00245	-.00412
4.000	-4.00000	1.99958	.22307	.07722	.34609	.01832	.00451	-.00353
GRADIENT	.00000	.00006	.11318	.04161	-.00389	.00406	.00074	.00009

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00074	-1.07193	-.40187	.37468	-.00358	-.00207	-.00265
-6.000	-4.00000	2.00046	-.95777	-.32568	.34007	-.00070	-.00145	-.00242
-4.000	-4.00000	2.00098	-.79236	-.24764	.31253	.00367	-.00070	-.00180
-2.000	-4.00000	2.00114	-.59758	-.17533	.29342	.00749	-.00002	-.00128
.000	-4.00000	2.00037	-.37813	-.10648	.28158	.01262	.00084	-.00095
2.000	-4.00000	2.00098	-.13422	-.03696	.27540	.01572	.00150	-.00085
4.000	-4.00000	2.00091	.14828	.04065	.27422	.02087	.00262	-.00053
GRADIENT	.00000	-.00001	.11723	.03575	-.00473	.00213	.00041	.00015

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99823	-1.09415	-.38750	.35469	-.02506	-.00324	-.01163
-6.000	-4.00000	1.99958	-1.00373	-.32284	.32150	-.02641	-.00312	-.01192
-4.000	-4.00000	1.99989	-.88142	-.25676	.29135	-.02542	-.00262	-.01195
-2.000	-4.00000	1.99942	-.76003	-.18779	.26815	-.02319	-.00213	-.01162
.000	-4.00000	1.99868	-.48753	-.12343	.25330	-.01942	-.00142	-.01096
2.000	-4.00000	1.99893	-.23906	-.05851	.24452	-.01561	-.00065	-.01047
4.000	-4.00000	1.99962	.03742	.00907	.24110	-.01288	-.00009	-.01027
GRADIENT	.00000	-.00005	.11493	.03305	-.00621	.00163	.00033	.00023

LARC UPWT 1177(IA948) OTSAT130 (FJW034) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99527	-1.07264	-.46640	.43451	-.02796	-.00456	-.00487
-6.000	.00000	1.99558	-.91110	-.36284	.39823	-.01872	-.00297	-.00437
-4.000	.00000	1.99832	-.68856	-.25468	.36994	-.00915	-.00129	-.00414
-2.000	.00000	1.99899	-.47436	-.16761	.35334	-.00398	-.00019	-.00463
.000	.00000	1.99897	-.25645	-.08848	.34499	.00014	.00076	-.00547
2.000	.00000	1.99886	-.03043	-.01036	.34047	.00889	.00223	-.00516
4.000	.00000	1.99886	.21386	.07303	.34147	.01784	.00394	-.00518
GRADIENT	.00000	.00005	.11244	.04063	-.00349	.00334	.00064	-.00013

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99998	-1.07742	-.39822	.36944	-.00921	-.00303	-.00347
-6.000	.00000	2.00026	-.97485	-.32652	.33496	-.00462	-.00246	-.00273
-4.000	.00000	1.99992	-.81104	-.25026	.30856	.00100	-.00151	-.00239
-2.000	.00000	1.99960	-.61474	-.17843	.29025	.00090	-.00090	-.00319
.000	.00000	2.00070	-.39235	-.10948	.27902	.00654	.00005	-.00257
2.000	.00000	2.00095	-.15597	-.04258	.27304	.01401	.00120	-.00127
4.000	.00000	1.99966	.11804	.03208	.27177	.02029	.00253	-.00114
GRADIENT	.00000	.00004	.11585	.03503	-.00454	.00258	.00051	.00022

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99919	-1.09849	-.38303	.34925	-.03500	-.00499	-.01330
-6.000	.00000	1.99919	-1.00817	-.31855	.31583	-.03624	-.00480	-.01334
-4.000	.00000	1.99918	-.88564	-.25453	.28744	-.03145	-.00382	-.01270
-2.000	.00000	1.99921	-.71195	-.18919	.26574	-.02727	-.00292	-.01208
.000	.00000	1.99912	-.48861	-.12229	.25022	-.02355	-.00207	-.01137
2.000	.00000	1.99964	-.24217	-.05850	.24161	-.01584	-.00082	-.00980
4.000	.00000	1.99951	.02400	.00575	.23885	-.00944	.00026	-.00895
GRADIENT	.00000	.00005	.11445	.03256	-.00606	.00277	.00051	.00049

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LARC UPWT 1177(1A94B) OTSAT130 (FJW035) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99910	-1.07491	-.47485	.44124	-.02943	-.00487	-.00785
-6.000	4.00000	1.99967	-.91124	-.36935	.40550	-.02063	-.00332	-.00787
-4.000	4.00000	2.00045	-.71762	-.27112	.37772	-.01208	-.00183	-.00767
-2.000	4.00000	2.00061	-.49301	-.17697	.35904	-.00247	-.00027	-.00709
.000	4.00000	1.99925	-.26950	-.09391	.34833	.00433	.00103	-.00714
2.000	4.00000	1.99999	-.04116	-.01407	.34206	.01163	.00233	-.00709
4.000	4.00000	1.99943	.20941	.07222	.34480	.02193	.00428	-.00666
GRADIENT	.00000	-.00013	.11530	.04248	-.00414	.00411	.00074	.00010

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00116	-1.06926	-.39982	.37369	-.01514	-.00440	-.00588
-6.000	4.00000	2.00103	-.95540	-.32398	.33914	-.01065	-.00360	-.00552
-4.000	4.00000	2.00130	-.79817	-.24881	.31174	-.00697	-.00242	-.00553
-2.000	4.00000	2.00114	-.60814	-.17775	.29226	-.00340	-.00145	-.00536
.000	4.00000	2.00144	-.38281	-.10703	.27958	.00118	-.00038	-.00516
2.000	4.00000	2.00047	-.14797	-.04039	.27302	.00730	.00089	-.00448
4.000	4.00000	2.00117	.13141	.03573	.27202	.01209	.00212	-.00448
GRADIENT	.00000	-.00005	.11597	.03532	-.00493	.00244	.00057	.00015

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99918	-1.10723	-.38866	.35159	-.04433	-.00637	-.01645
-6.000	4.00000	1.99918	-1.00784	-.32161	.31898	-.04025	-.00565	-.01538
-4.000	4.00000	1.99921	-.87364	-.25312	.28978	-.03640	-.00447	-.01512
-2.000	4.00000	1.99911	-.69812	-.18601	.26636	-.03110	-.00335	-.01442
.000	4.00000	1.99962	-.48787	-.12275	.25178	-.02517	-.00221	-.01342
2.000	4.00000	1.99982	-.24491	-.05950	.24258	-.02001	-.00104	-.01272
4.000	4.00000	1.99973	.02678	.00643	.23866	-.01568	-.00004	-.01258
GRADIENT	.00000	.00009	.11270	.03228	-.00630	.00263	.00056	.00034

LARC UPWT 1177(IA94B) OTSAT130 (FJW036) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99990	-1.08138	-.48008	.44344	-.03557	-.00522	-.01011
-6.000	6.00000	2.00074	-.92557	-.37706	.40754	-.02478	-.00349	-.00945
-4.000	6.00000	2.00101	-.73460	-.27899	.37972	-.01554	-.00186	-.00915
-2.000	6.00000	2.00053	-.50887	-.18318	.36006	-.00482	-.00013	-.00861
.000	6.00000	2.00071	-.27722	-.09644	.34778	.00332	.00124	-.00852
2.000	6.00000	2.00088	-.03701	-.01259	.34084	.01001	.00250	-.00859
4.000	6.00000	1.99989	.21688	.07458	.34382	.02037	.00440	-.00800
GRADIENT	.00000	-.00009	.11674	.04389	-.00455	.00433	.00076	.00012

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00144	-1.07304	-.40490	.37711	-.01544	-.00452	-.00686
-6.000	6.00000	2.00132	-.96071	-.32900	.34249	-.01521	-.00396	-.00764
-4.000	6.00000	2.00187	-.79944	-.25178	.31494	-.01217	-.00276	-.00764
-2.000	6.00000	2.00165	-.60390	-.17807	.29485	-.00748	-.00175	-.00739
.000	6.00000	2.00112	-.38381	-.10792	.28116	-.00409	-.00069	-.00727
2.000	6.00000	2.00162	-.13134	-.03608	.27483	.00538	.00100	-.00584
4.000	6.00000	2.00166	.14592	.03998	.27402	.01807	.00278	-.00432
GRADIENT	.00000	-.00002	.11816	.03628	-.00509	.00367	.00069	.00041

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99988	-1.10726	-.39082	.35347	-.05139	-.00691	-.01912
-6.000	6.00000	1.99932	-1.01417	-.32600	.32130	-.04739	-.00607	-.01763
-4.000	6.00000	1.99907	-.88581	-.25944	.29293	-.04029	-.00456	-.01647
-2.000	6.00000	1.99979	-.70458	-.19009	.26972	-.03577	-.00351	-.01624
.000	6.00000	1.99910	-.48994	-.12409	.25328	-.03186	-.00249	-.01615
2.000	6.00000	1.99990	-.23606	-.05773	.24424	-.02410	-.00109	-.01464
4.000	6.00000	2.00114	.02740	.00794	.23809	-.01483	.00065	-.01300
GRADIENT	.00000	.00021	.11475	.03336	-.00676	.00313	.00064	.00043

LARC UPWT 1177(1A94B) OTSAT130 (FJW037) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00003	-1.00460	-.37704	.37504	.00487	-.00050	-.00063
-6.000	-6.00000	1.99966	-.88095	-.30125	.34199	.00762	-.00008	-.00005
-4.000	-6.00000	1.99964	-.70929	-.22363	.31531	.01065	.00055	.00038
-2.000	-6.00000	2.00075	-.51210	-.15145	.29571	.01317	.00087	.00079
.000	-6.00000	2.00042	-.28102	-.07969	.28357	.01646	.00148	.00094
2.000	-6.00000	1.99986	-.02364	-.00656	.27861	.02213	.00245	.00159
4.000	-6.00000	2.00033	.24642	.06851	.27812	.02773	.00350	.00190
GRADIENT	.00000	.00003	.11999	.03346	-.00457	.00216	.00037	.00019

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99775	-1.02319	-.36311	.35511	-.02454	-.00248	-.01027
-6.000	-6.00000	1.99904	-.92213	-.29751	.32258	-.02231	-.00212	-.00969
-4.000	-6.00000	1.99806	-.77133	-.22796	.29558	-.01902	-.00146	-.00935
-2.000	-6.00000	1.99838	-.57698	-.15804	.27390	-.01691	-.00098	-.00880
.000	-6.00000	1.99857	-.36309	-.09348	.25752	-.01751	-.00088	-.00888
2.000	-6.00000	1.99797	-.11844	-.02940	.24770	-.01572	-.00054	-.00895
4.000	-6.00000	1.99789	.15805	.03898	.24594	-.01113	.00028	-.00856
GRADIENT	.00000	-.00004	.11587	.03313	-.00627	.00085	.00020	.00007

LARC JPWT 1177(IA94B) OTSAT130 (FJW038) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99992	-1.01872	-.37672	.36955	.00487	-.00106	-.00033
-6.000	-4.00000	2.00055	-.89574	-.30109	.33613	.00833	-.00040	.00014
-4.000	-4.00000	2.00061	-.72129	-.22350	.30987	.01162	.00024	.00062
-2.000	-4.00000	2.00037	-.52237	-.15246	.29191	.01646	.00096	.00130
.000	-4.00000	2.00050	-.29412	-.08276	.28130	.02115	.00182	.00155
2.000	-4.00000	2.00063	-.04577	-.01258	.27588	.02440	.00255	.00164
4.000	-4.00000	2.00155	.23245	.06398	.27549	.02975	.00369	.00187
GRADIENT	.00000	.00011	.11920	.03574	-.00424	.00221	.00042	.00014

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99862	-1.03256	-.36163	.35044	-.02483	-.00291	-.01044
-6.000	-4.00000	1.99788	-.93453	-.29676	.31749	-.02531	-.00270	-.01053
-4.000	-4.00000	1.99841	-.79499	-.22934	.28848	-.02227	-.00211	-.01010
-2.000	-4.00000	1.99855	-.61032	-.16301	.26706	-.01898	-.00162	-.00935
.000	-4.00000	1.99804	-.39395	-.09983	.25346	-.01486	-.00081	-.00861
2.000	-4.00000	1.99731	-.13873	-.03411	.24567	-.01192	-.00013	-.00849
4.000	-4.00000	1.99815	.13782	.03351	.24302	-.01022	.00037	-.00845
GRADIENT	.00000	-.00009	.11686	.03273	-.00562	.00156	.00032	.00021

LARC UPWT 117/(IA94B) OTSAT130 (FJW039) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99972	-1.02817	-.37386	.36335	.00130	-.00183	-.00082
-6.000	.00000	1.99992	-.91251	-.30135	.33028	.00592	-.00121	-.00014
-4.000	.00000	1.99943	-.74421	-.22706	.30507	.01029	-.00037	-.00005
-2.000	.00000	1.99985	-.54186	-.15611	.28818	.01049	.00023	-.00081
.000	.00000	1.99938	-.31348	-.08740	.27877	.01748	.00125	.00029
2.000	.00000	2.00031	-.06174	-.01686	.27346	.02450	.00249	.00113
4.000	.00000	1.99973	.20497	.05591	.27297	.02967	.00374	.00120
GRADIENT	.00000	.00005	.11892	.03526	-.00395	.00264	.00052	.00022

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99866	-1.03170	-.35330	.34263	-.02883	-.00408	-.01109
-6.000	.00000	1.99742	-.93906	-.29150	.31037	-.02933	-.00386	-.01087
-4.000	.00000	1.99728	-.79399	-.22476	.28308	-.02706	-.00305	-.01076
-2.000	.00000	1.99738	-.61200	-.16086	.26289	-.02486	-.00241	-.01043
.000	.00000	1.99678	-.38723	-.09633	.24868	-.01960	-.00143	-.00962
2.000	.00000	1.99711	-.13539	-.03270	.24161	-.01373	-.00026	-.00837
4.000	.00000	1.99822	.13336	.03199	.23981	-.00853	.00074	-.00807
GRADIENT	.00000	.00008	.11656	.03208	-.00539	.00241	.00049	.00037

LARC UPWT 1177(IA94B) OTSAT130 (FJW040) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00116	-1.01697	-.37590	.36930	-.00608	-.00310	-.00410
-6.000	4.00000	2.00083	-.89406	-.30006	.33568	-.00156	-.00222	-.00366
-4.000	4.00000	2.00046	-.72915	-.22553	.30931	.00252	-.00106	-.00347
-2.000	4.00000	2.00098	-.52907	-.15099	.29105	.00453	-.00022	-.00369
.000	4.00000	2.00149	-.30283	-.08459	.27928	.01023	.00093	-.00311
2.000	4.00000	2.00123	-.05616	-.01535	.27398	.01630	.00222	-.00251
4.000	4.00000	2.00145	.22033	.06025	.27369	.02171	.00351	-.00249
GRADIENT	.00000	.00011	.11859	.03551	-.00442	.00251	.00058	.00016

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99865	-1.04094	-.36232	.34836	-.03875	-.00535	-.01439
-6.000	4.00000	1.99789	-.94356	-.29799	.31576	-.03679	-.00477	-.01392
-4.000	4.00000	1.99844	-.79814	-.22970	.28780	-.03217	-.00361	-.01324
-2.000	4.00000	1.99806	-.61433	-.16374	.26649	-.02735	-.00254	-.01270
.000	4.00000	1.99733	-.40974	-.10323	.25205	-.02075	-.00139	-.01160
2.000	4.00000	1.99774	-.15597	-.03802	.24338	-.01635	-.00024	-.01109
4.000	4.00000	1.99839	.12112	.02926	.24103	-.01159	.00083	-.01092
GRADIENT	.00000	-.00002	.11484	.03218	-.00583	.00261	.00056	.00031

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LARC UPWT 1177(IA94B) OTSAT130 (FJW041) (08 JUL 76)

REFERENCE DATA

SREF = 2850.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00136	-1.01890	-.37975	.37239	-.00640	-.00316	-.00525
-6.000	6.00000	2.00098	-.89785	-.30428	.33897	-.00606	-.00252	-.00576
-4.000	6.00000	2.00170	-.72780	-.22768	.31279	-.00215	-.00131	-.00560
-2.000	6.00000	2.00141	-.52763	-.15483	.29348	.00163	-.00039	-.00551
.000	6.00000	2.00115	-.30294	-.08519	.28110	.00533	.00073	-.00524
2.000	6.00000	2.00214	-.04267	-.01171	.27578	.01451	.00239	-.00404
4.000	6.00000	2.00170	.23688	.06527	.27584	.02843	.00423	-.00218
GRADIENT	.00000	.00004	.12072	.03645	-.00458	.00370	.00069	.00042

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99725	-1.05141	-.36875	.35099	-.04542	-.00596	-.01691
-6.000	6.00000	1.99838	-.94423	-.30063	.31828	-.04118	-.00506	-.01544
-4.000	6.00000	1.99852	-.80656	-.23423	.29046	-.03405	-.00350	-.01424
-2.000	6.00000	1.99853	-.61777	-.16597	.26862	-.02922	-.00242	-.01386
.000	6.00000	1.99791	-.39577	-.10029	.25348	-.02563	-.00146	-.01362
2.000	6.00000	1.99837	-.14742	-.03611	.24468	-.01651	.00012	-.01212
4.000	6.00000	1.99814	.12980	.03156	.24260	-.01018	.00128	-.01180
GRADIENT	.00000	-.00005	.11715	.03307	-.00598	.00302	.00061	.00033

LARC UPWT 1177(1A94B) OTSAT130 (FJW042) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99831	-.98534	-.42993	.43556	-.02128	-.00309	-.00372
-6.000	-6.00000	1.99837	-.82230	-.33075	.40255	-.01359	-.00183	-.00299
-4.000	-6.00000	1.99726	-.62772	-.23760	.37831	-.00407	-.00030	-.00221
-2.000	-6.00000	1.99690	-.39371	-.14165	.35990	.00782	.00169	-.00154
.000	-6.00000	1.99722	-.17224	-.06000	.34812	.01888	.00354	-.00084
2.000	-6.00000	1.99709	.05405	.01872	.34477	.02705	.00506	-.00061
4.000	-6.00000	1.99652	.32288	.11242	.34865	.04062	.00751	.00024
GRADIENT	.00000	-.00006	.11745	.04302	-.00372	.00543	.00095	.00029

LARC UPWT 1177(1A94B) OTSAT130 (FJW043) (03 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99742	-1.00363	-.43549	.43341	-.02135	-.00326	-.00462
-6.000	-4.00000	1.99713	-.83035	-.33254	.40057	-.01327	-.00179	-.00416
-4.000	-4.00000	1.99609	-.62426	-.23420	.37518	-.00390	-.00015	-.00349
-2.000	-4.00000	1.99798	-.41067	-.14708	.35820	.00544	.00148	-.00311
.000	-4.00000	1.99711	-.18500	-.06438	.34767	.01349	.00289	-.00306
2.000	-4.00000	1.99652	.04102	.01417	.34288	.01946	.00413	-.00312
4.000	-4.00000	1.99659	.29593	.10237	.34649	.03004	.00635	-.00276
GRADIENT	.00000	-.00002	.11460	.04172	-.00363	.00409	.00078	.00007

LARC UPWT 1177(1A94B) OTSAT130 (FJW044) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99731	-1.01154	-.43443	.42879	-.01401	-.00277	-.00362
-6.000	.00000	1.99812	-.83856	-.33032	.39417	-.00497	-.00123	-.00308
-4.000	.00000	2.00125	-.63142	-.23332	.36935	.00314	.00019	-.00296
-2.000	.00000	2.00212	-.41468	-.14621	.35280	.00898	.00134	-.00333
.000	.00000	2.00245	-.19693	-.06794	.34471	.01462	.00250	-.00379
2.000	.00000	2.00009	.03607	.01231	.34044	.02456	.00415	-.00330
4.000	.00000	2.00029	.28196	.09593	.34049	.03141	.00573	-.00395
GRADIENT	.00000	-.00020	.11387	.04085	-.00350	.00361	.00069	-.00010

LARC UPWT 1177(1A94B) OTSAT130 (FJW045) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99764	-1.01808	-.44341	.43497	-.01895	-.00332	-.00734
-6.000	4.00000	1.99735	-.85359	-.34260	.40154	-.00968	-.00181	-.00701
-4.000	4.00000	1.99665	-.64974	-.24403	.37542	-.00098	-.00031	-.00671
-2.000	4.00000	1.99754	-.42620	-.15216	.35726	.00798	.00121	-.00623
.000	4.00000	1.99796	-.20182	-.07016	.34711	.01523	.00255	-.00615
2.000	4.00000	1.99604	.02882	.00998	.34196	.02367	.00405	-.00588
4.000	4.00000	1.99532	.28409	.09809	.34598	.03357	.00605	-.00585
GRADIENT	.00000	-.00021	.11613	.04232	-.00371	.00424	.00078	.00010

LARC UPWT 1177(IA94B) OTSAT130 (FJW046) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99677	-1.02871	-.45104	.43797	-.02313	-.00350	-.00893
-6.000	6.00000	1.99661	-.86632	-.34980	.40388	-.01358	-.00192	-.00846
-4.000	6.00000	1.99686	-.66081	-.24917	.37702	-.00411	-.00024	-.00825
-2.000	6.00000	1.99692	-.43977	-.15758	.35844	.00589	.00143	-.00769
.000	6.00000	1.99770	-.21222	-.07363	.34653	.01435	.00278	-.00738
2.000	6.00000	1.99776	.03387	.01167	.34109	.02154	.00418	-.00751
4.000	6.00000	1.99631	.30252	.10409	.34471	.03402	.00644	-.00660
GRADIENT	.00000	-.00001	.12002	.04379	-.00410	.00460	.00080	.00017

LARC UPWT 1177(IA94B) OTSAT130 (FJW047) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00532	-1.00994	-.44326	.43824	-.02504	-.00448	-.00318
-6.000	-6.00000	2.00325	-.83900	-.33885	.40407	-.01758	-.00309	-.00282
-4.000	-6.00000	2.00064	-.64032	-.24246	.37859	-.00926	-.00162	-.00233
-2.000	-6.00000	2.00082	-.42147	-.15194	.36052	.00302	.00032	-.00145
.000	-6.00000	2.00119	-.19635	-.06856	.34901	.01363	.00217	-.00085
2.000	-6.00000	2.00068	.02980	.01037	.34501	.02170	.00371	-.00073
4.000	-6.00000	2.00012	.29146	.10144	.34859	.03468	.00599	.00013
GRADIENT	.00000	-.00006	.11574	.04251	-.00378	.00533	.00093	.00028

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LARC UPWT 1177(IA94B) OTSAT130 (FJW048) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00138	-1.01620	-.44446	.43660	-.02734	-.00476	-.00468
-6.000	-4.00000	2.00271	-.84610	-.34063	.40289	-.01940	-.00321	-.00436
-4.000	-4.00000	2.00215	-.65859	-.24891	.37779	-.01207	-.00175	-.00429
-2.000	-4.00000	1.99974	-.43942	-.15789	.35946	-.00251	-.00005	-.00398
.000	-4.00000	1.99695	-.21969	-.07656	.34820	.00490	.00130	-.00430
2.000	-4.00000	1.99807	-.01920	-.00645	.34263	.01003	.00229	-.00507
4.000	-4.00000	1.99680	.26292	.09104	.34723	.01899	.00450	-.00426
GRADIENT	.00000	-.00062	.11316	.04157	-.00390	.00373	.00074	-.00005

LARC UPWT 1177(IA94B) OTSAT130 (FJW049) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99759	-1.03337	-.44713	.43200	-.00681	-.00365	-.00001
-6.000	.00000	1.99731	-.86667	-.34365	.39675	.00110	-.00208	.00013
-4.000	.00000	1.99427	-.65948	-.24451	.37057	.00790	-.00066	-.00019
-2.000	.00000	1.99690	-.43027	-.15218	.35394	.01379	.00059	-.00082
.000	.00000	1.99870	-.21783	-.07528	.34527	.01814	.00162	-.00155
2.000	.00000	2.00369	.01525	.00527	.34090	.02643	.00310	-.00137
4.000	.00000	2.00042	.25257	.08634	.34215	.03286	.00461	-.00204
GRADIENT	.00000	.00095	.11348	.04096	-.00349	.00313	.00065	-.00021

LARC UPWT 1177(IA94B) OTSAT130 (FJW050) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00854	-1.04168	-.45785	.43912	-.02704	-.00495	-.00822
-6.000	4.00000	2.00606	-.87965	-.35643	.40523	-.01773	-.00338	-.00808
-4.000	4.00000	2.00337	-.67742	-.25590	.37775	-.00867	-.00182	-.00770
-2.000	4.00000	2.00183	-.46116	-.16599	.36005	.00079	-.00027	-.00722
.000	4.00000	2.00042	-.23444	-.08196	.34919	.00784	.00107	-.00711
2.000	4.00000	2.00019	-.00486	-.00156	.34328	.01585	.00250	-.00701
4.000	4.00000	2.00028	.24373	.08436	.34684	.02630	.00449	-.00665
GRADIENT	.00000	-.00039	.11493	.04225	-.00393	.00425	.00077	.00012

LARC UPWT 1177(IA94B) OTSAT130 (FJW051) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00207	-1.05877	-.46870	.44207	-.03075	-.00529	-.00985
-6.000	6.00000	2.00220	-.88650	-.36101	.40741	-.02111	-.00347	-.00925
-4.000	6.00000	2.00132	-.69870	-.26574	.38030	-.01164	-.00188	-.00921
-2.000	6.00000	2.00051	-.49485	-.17820	.36020	-.00123	-.00032	-.00891
.000	6.00000	2.00075	-.24848	-.08662	.34831	.00471	.00106	-.00901
2.000	6.00000	2.00117	-.01287	-.00427	.34208	.01224	.00246	-.00896
4.000	6.00000	2.00129	.25871	.08928	.34592	.02515	.00473	-.00800
GRADIENT	.00000	.00003	.11984	.04420	-.00434	.00435	.00080	.00012

LARC UPWT 1177(IA94B) OTSAT130 (FJW052) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00021	-.96738	-.42759	.44141	-.01878	-.00361	-.00443
-6.000	-6.00000	1.99974	-.80387	-.32786	.40805	-.01198	-.00235	-.00391
-4.000	-6.00000	1.99970	-.60203	-.23046	.38269	-.00334	-.00085	-.00315
-2.000	-6.00000	1.99961	-.37899	-.13807	.36444	.00770	.00101	-.00236
.000	-6.00000	1.99965	-.15987	-.05652	.35325	.01770	.00274	-.00182
2.000	-6.00000	1.99946	.07275	.02553	.34977	.02642	.00433	-.00136
4.000	-6.00000	1.99814	.32548	.11500	.35376	.03819	.00649	-.00074
GRADIENT	.00000	-.00016	.11534	.04273	-.00363	.00509	.00090	.00029

LARC UPWT 1177(IA94B) OTSAT130 (FJW053) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99873	-.98069	-.43185	.43974	-.01846	-.00373	-.00529
-6.000	-4.00000	1.99811	-.81336	-.33041	.40643	-.01186	-.00235	-.00510
-4.000	-4.00000	1.99873	-.61079	-.23252	.38052	-.00584	-.00091	-.00539
-2.000	-4.00000	1.99856	-.39266	-.14246	.36309	.00416	.00079	-.00474
.000	-4.00000	1.99856	-.17753	-.06281	.35305	.01126	.00212	-.00489
2.000	-4.00000	1.99864	.05648	.01978	.34780	.01708	.00338	-.00495
4.000	-4.00000	1.99748	.29159	.10252	.35230	.02626	.00527	-.00468
GRADIENT	.00000	-.00012	.11270	.04162	-.00359	.00386	.00075	.00006

DATE 29 OCT 76 TABULATED SOURCE DATA - IA948.

LARC UPWT 1177(IA948) OTSAT130 (FJW054) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00189	-.98590	-.42958	.43506	-.00637	-.00286	-.00400
-6.000	.00000	2.00189	-.82148	-.32833	.39993	.00199	-.00130	-.00358
-4.000	.00000	2.00144	-.61701	-.23067	.37365	.01025	.00017	-.00339
-2.000	.00000	2.00019	-.38815	-.13843	.35691	.01662	.00142	-.00368
.000	.00000	1.99992	-.16955	-.05929	.34917	.02181	.00252	-.00412
2.000	.00000	1.99804	.05856	.02031	.34537	.03017	.00400	-.00403
4.000	.00000	1.99741	.29764	.10332	.34751	.03770	.00558	-.00451
GRADIENT	.00000	-.00051	.11380	.04134	-.00319	.00342	.00067	-.00013

LARC UPWT 1177(IA948) OTSAT130 (FJW055) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99573	-.99850	-.44086	.44093	-.01934	-.00381	-.01145
-6.000	4.00000	1.99656	-.82953	-.33682	.40620	-.01091	-.00226	-.01132
-4.000	4.00000	1.99760	-.62849	-.23858	.37952	-.00250	-.00079	-.01109
-2.000	4.00000	1.99610	-.41467	-.15027	.36255	.00642	.00070	-.01058
.000	4.00000	1.99625	-.19556	-.06895	.35196	.01321	.00193	-.01048
2.000	4.00000	1.99583	.04074	.01424	.34620	.02119	.00338	-.01042
4.000	4.00000	1.99806	.28379	.09919	.35020	.03067	.00531	-.01053
GRADIENT	.00000	.00003	.11400	.04200	-.00375	.00406	.00074	.00006

LARC UPWT 1177(IA94B) OTSAT130 (FJW056) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99584	-1.00842	-.44820	.44389	-.02359	-.00406	-.01346
-6.000	6.00000	1.99622	-.84640	-.34592	.40886	-.01473	-.00246	-.01311
-4.000	6.00000	1.99656	-.64816	-.24767	.38204	-.00608	-.00084	-.01299
-2.000	6.00000	1.99610	-.43064	-.15641	.36333	.00443	.00082	-.01239
.000	6.00000	1.99586	-.20559	-.07217	.35065	.01173	.00209	-.01242
2.000	6.00000	1.99578	.03753	.01306	.34487	.01896	.00347	-.01255
4.000	6.00000	1.99618	.29742	.10353	.34873	.02990	.00554	-.01191
GRADIENT	.00000	-.00005	.11797	.04359	-.00425	.00433	.00077	.00010

LARC UPWT 1177(IA94B) OTSAT130 (FJW057) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99646	-.96683	-.42539	.43344	-.01219	-.00270	-.00416
-6.000	-6.00000	1.99616	-.79752	-.32336	.40557	-.00531	-.00146	-.00348
-4.000	-6.00000	1.99548	-.58805	-.22325	.37961	.00351	.00002	-.00258
-2.000	-6.00000	1.99548	-.36998	-.13407	.36244	.01407	.00176	-.00180
.000	-6.00000	1.99478	-.15872	-.05583	.35143	.02376	.00340	-.00113
2.000	-6.00000	1.99486	.07809	.02728	.34819	.03245	.00499	-.00065
4.000	-6.00000	1.99527	.32197	.11339	.35267	.04430	.00710	.00022
GRADIENT	.00000	-.00005	.11341	.04173	-.00341	.00500	.00087	.00034

LARC UPWT 1177(IA94B) OTSAT130 (FJW057) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00168	-.99770	-.37611	.37677	.00929	-.00039	-.00114
-6.000	-6.00000	2.00148	-.87469	-.30051	.34353	.01172	.00003	-.00055
-4.000	-6.00000	2.00182	-.70069	-.22178	.31660	.01426	.00065	-.00013
-2.000	-6.00000	2.00204	-.50692	-.15069	.29720	.01655	.00097	.00031
.000	-6.00000	2.00219	-.27836	-.07923	.28467	.01843	.00147	.00015
2.000	-6.00000	2.00151	-.02393	-.00665	.27963	.02328	.00239	.00071
4.000	-6.00000	2.00137	.25324	.07074	.27955	.03038	.00354	.00136
GRADIENT	.00000	.00003	.11954	.03645	-.00458	.00195	.00036	.00017

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99869	-1.02571	-.36488	.35594	-.01571	-.00202	-.00859
-6.000	-6.00000	1.99872	-.92934	-.30021	.32300	-.01534	-.00174	-.00830
-4.000	-6.00000	1.99866	-.77555	-.22871	.29490	-.01214	-.00108	-.00783
-2.000	-6.00000	1.99922	-.58568	-.15990	.27305	-.01088	-.00068	-.00747
.000	-6.00000	1.99928	-.37149	-.09535	.25667	-.01085	-.00051	-.00743
2.000	-6.00000	1.99929	-.12622	-.03122	.24704	-.00963	-.00021	-.00737
4.000	-6.00000	1.99886	.15200	.03735	.24513	-.00523	.00055	-.00698
GRADIENT	.00000	.00002	.11573	.03304	-.00628	.00075	.00019	.00009

LARC UPWT 1177(IA94B) OTSAT130 (FJW058) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99481	-.97765	-.42836	.43753	-.01140	-.00279	-.00489
-6.000	-4.00000	1.99632	-.80189	-.32331	.40334	-.00433	-.00137	-.00441
-4.000	-4.00000	1.99698	-.60060	-.22673	.37748	.00412	.00013	-.00366
-2.000	-4.00000	1.99718	-.38358	-.13840	.36085	.01379	.00174	-.00297
.000	-4.00000	1.99731	-.15744	-.05522	.35044	.02093	.00305	-.00293
2.000	-4.00000	1.99666	.06302	.02192	.34643	.02682	.00423	-.00283
4.000	-4.00000	1.99645	.30068	.10533	.35086	.03645	.00614	-.00238
GRADIENT	.00000	-.00008	.11246	.04122	-.00338	.00389	.00072	.00014

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00055	-1.00986	-.37512	.37109	.00904	-.00092	-.00108
-6.000	-4.00000	2.00015	-.88753	-.29937	.33742	.01211	-.00030	-.00057
-4.000	-4.00000	2.00057	-.72252	-.22516	.31157	.01524	.00030	-.00009
-2.000	-4.00000	2.00060	-.51991	-.15243	.29325	.01950	.00101	.00066
.000	-4.00000	2.00093	-.29436	-.08309	.28215	.02408	.00186	.00098
2.000	-4.00000	2.00046	-.04622	-.01275	.27690	.02681	.00258	.00104
4.000	-4.00000	2.00069	.23060	.06372	.27656	.03297	.00375	.00144
GRADIENT	.00000	.00001	.11900	.03587	-.00432	.00214	.00042	.00017

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99872	-1.03552	-.36365	.35137	-.01947	-.00262	-.00992
-6.000	-4.00000	1.99873	-.94483	-.30104	.31859	-.02004	-.00246	-.00957
-4.000	-4.00000	1.99866	-.80408	-.23222	.28879	-.01700	-.00184	-.00911
-2.000	-4.00000	1.99927	-.62172	-.16560	.26634	-.01445	-.00136	-.00841
.000	-4.00000	1.99882	-.39520	-.09994	.25291	-.01134	-.00064	-.00789
2.000	-4.00000	1.99867	-.15304	-.03752	.24497	-.00783	.00009	-.00750
4.000	-4.00000	1.99873	.12608	.03060	.24240	-.00514	.00064	-.00742
GRADIENT	.00000	-.00002	.11645	.03269	-.00571	.00152	.00032	.00021

LARC UPWT 1177(IA94B) OTSAT130 (FJW059) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00066	-.98641	-.42781	.43319	-.00245	-.00205	-.00495
-6.000	.00000	2.00297	-.82095	-.32676	.39813	.00571	-.00059	-.00438
-4.000	.00000	2.00209	-.60928	-.22637	.37149	.01462	.00092	-.00385
-2.000	.00000	2.00089	-.38613	-.13734	.35581	.02094	.00213	-.00394
.000	.00000	2.00075	-.17106	-.05957	.34791	.02552	.00309	-.00444
2.000	.00000	1.99965	.06120	.02115	.34464	.03529	.00467	-.00384
4.000	.00000	1.99892	.29406	.10182	.34653	.04258	.00621	-.00423
GRADIENT	.00000	-.00038	.11270	.04074	-.00305	.00351	.00066	-.00003

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00086	-1.01972	-.37250	.36506	.00679	-.00165	-.00187
-6.000	.00000	2.00056	-.90970	-.30144	.33140	.01062	-.00112	-.00104
-4.000	.00000	2.00109	-.73950	-.22637	.30607	.01531	-.00024	-.00079
-2.000	.00000	2.00149	-.53187	-.15370	.28902	.01666	.00044	-.00118
.000	.00000	2.00167	-.30819	-.08598	.27890	.02279	.00144	-.00023
2.000	.00000	2.00166	-.00470	-.01769	.27381	.02987	.00263	.00080
4.000	.00000	2.00127	.20447	.05575	.27275	.03384	.00382	.00044
GRADIENT	.00000	.00003	.11776	.03501	-.00409	.00251	.00052	.00022

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99997	-1.03586	-.35547	.34339	-.02257	-.00391	-.01013
-6.000	.00000	1.99936	-.94133	-.29232	.31050	-.02314	-.00363	-.00993
-4.000	.00000	1.99923	-.80310	-.22723	.28294	-.02013	-.00273	-.00965
-2.000	.00000	1.99986	-.62187	-.16306	.26223	-.01778	-.00207	-.00915
.000	.00000	1.99941	-.39490	-.09804	.24824	-.01275	-.00109	-.00836
2.000	.00000	1.99927	-.14944	-.03600	.24092	-.00521	.00014	-.00675
4.000	.00000	1.99931	.12026	.02874	.23881	-.00029	.00113	-.00630
GRADIENT	.00000	-.00002	.11596	.03195	-.00548	.00261	.00050	.00045

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA948) OTSAT130 (FJW060) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99784	-.99382	-.43684	.43892	-.00486	-.00241	-.00853
-6.000	4.00000	1.99996	-.82214	-.33191	.40388	.00293	-.00097	-.00836
-4.000	4.00000	2.00147	-.62119	-.23454	.37749	.00999	.00043	-.00839
-2.000	4.00000	2.00165	-.40425	-.14572	.36065	.01934	.00192	-.00767
.000	4.00000	2.00054	-.17616	-.06184	.35047	.02626	.00317	-.00750
2.000	4.00000	2.00055	.05904	.02051	.34526	.03340	.00450	-.00758
4.000	4.00000	2.00146	.30091	.10496	.34945	.04393	.00647	-.00684
GRADIENT	.00000	-.00006	.11537	.04226	-.00357	.00410	.00073	.00016

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00076	-1.00926	-.37485	.37111	-.00200	-.00316	-.00526
-6.000	4.00000	2.00084	-.88983	-.29999	.33718	.00206	-.00232	-.00465
-4.000	4.00000	2.00074	-.72844	-.22595	.31105	.00602	-.00112	-.00446
-2.000	4.00000	2.00092	-.53192	-.15562	.29257	.00916	-.00022	-.00455
.000	4.00000	2.00073	-.30725	-.08621	.28050	.01392	.00086	-.00420
2.000	4.00000	2.00044	-.06125	-.01677	.27477	.01955	.00215	-.00357
4.000	4.00000	2.00144	.22047	.06050	.27479	.02588	.00354	-.00385
GRADIENT	.00000	.00005	.11822	.03559	-.00452	.00251	.00058	.00011

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99792	-1.04412	-.36411	.34895	-.03585	-.00542	-.01461
-6.000	4.00000	1.99921	-.94706	-.29931	.31598	-.03403	-.00485	-.01369
-4.000	4.00000	1.99931	-.80351	-.23151	.28816	-.02851	-.00356	-.01290
-2.000	4.00000	1.99933	-.62165	-.16541	.26605	-.02437	-.00256	-.01243
.000	4.00000	1.99879	-.40951	-.10305	.25172	-.01801	-.00137	-.01121
2.000	4.00000	1.99866	-.16619	-.04046	.24319	-.01361	-.00029	-.01081
4.000	4.00000	1.99870	.10634	.02562	.24046	-.00748	.00086	-.01045
GRADIENT	.00000	-.00009	.11376	.03196	-.00591	.00264	.00056	.00033

LARC UPWT 1177(IA94B) OTSAT130 (FJW061) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00116	-1.00192	-.44245	.44104	-.01013	-.00268	-.01063
-6.000	6.00000	2.00136	-.83941	-.34075	.40609	-.00071	-.00109	-.00999
-4.000	6.00000	2.00138	-.63807	-.24206	.37930	.00801	.00053	-.00978
-2.000	6.00000	2.00158	-.41418	-.14946	.36097	.01778	.00215	-.00927
.000	6.00000	2.00190	-.18442	-.06447	.34918	.02507	.00340	-.00914
2.000	6.00000	2.00153	.05575	.01929	.34411	.03171	.00465	-.00925
4.000	6.00000	2.00048	.31263	.10853	.34774	.04292	.00666	-.00836
GRADIENT	.00000	-.00009	.11857	.04350	-.00400	.00419	.00074	.00014

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00075	-1.01348	-.38045	.37511	-.00170	-.00322	-.00639
-6.000	6.00000	2.00077	-.89241	-.30435	.34106	-.00174	-.00260	-.00695
-4.000	6.00000	2.00085	-.72158	-.22696	.31455	.00200	-.00139	-.00692
-2.000	6.00000	2.00111	-.52684	-.15539	.29494	.00598	-.00047	-.00677
.000	6.00000	2.00149	-.30329	-.08552	.28192	.00891	.00063	-.00654
2.000	6.00000	2.00111	-.04695	-.01293	.27662	.01975	.00239	-.00483
4.000	6.00000	2.00084	.22936	.06334	.27687	.03268	.00422	-.00359
GRADIENT	.00000	-.00000	.11906	.03615	-.00468	.00376	.00070	.00043

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99922	-1.04348	-.36750	.35240	-.04096	-.00600	-.01656
-6.000	6.00000	1.99925	-.95103	-.30324	.31880	-.03662	-.00514	-.01490
-4.000	6.00000	1.99979	-.81050	-.23584	.29100	-.03020	-.00362	-.01385
-2.000	6.00000	1.99988	-.62828	-.16896	.26831	-.02566	-.00248	-.01357
.000	6.00000	1.99977	-.40979	-.10376	.25324	-.02140	-.00148	-.01300
2.000	6.00000	2.00028	-.15530	-.03798	.24436	-.01196	.00015	-.01164
4.000	6.00000	2.00043	.11779	.02856	.24209	-.00623	.00133	-.01156
GRADIENT	.00000	.00008	.11648	.03299	-.00612	.00308	.00063	.00033

LARC UPWT 1177(IA94B) OTSAT130 (FJW062) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00220	-.99886	-.37717	.37742	.00453	-.00045	-.00196
-6.000	-6.00000	2.00258	-.87916	-.30276	.34439	.00713	-.00005	-.00133
-4.000	-6.00000	2.00269	-.71020	-.22555	.31768	.01016	.00055	-.00094
-2.000	-6.00000	2.00305	-.52061	-.15546	.29855	.01068	.00072	-.00077
.000	-6.00000	2.00260	-.29092	-.08321	.28605	.01304	.00124	-.00080
2.000	-6.00000	2.00263	-.04054	-.01133	.28046	.01822	.00217	-.00032
4.000	-6.00000	2.00059	.23290	.06523	.28034	.02381	.00322	.00022
GRADIENT	.00000	-.00023	.11831	.03628	-.00464	.00174	.00034	.00014

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99705	-1.03857	-.37373	.36006	-.01483	-.00186	-.00925
-6.000	-6.00000	1.99777	-.94570	-.30847	.32612	-.01335	-.00153	-.00872
-4.000	-6.00000	1.99725	-.80010	-.23906	.29883	-.01179	-.00098	-.00865
-2.000	-6.00000	1.99761	-.61108	-.16896	.27646	-.00994	-.00054	-.00813
.000	-6.00000	1.99781	-.40114	-.10424	.25994	-.01052	-.00049	-.00821
2.000	-6.00000	1.99717	-.18219	-.04058	.24988	-.00865	-.00012	-.00816
4.000	-6.00000	1.99795	.11238	.02788	.24738	-.00470	.00067	-.00777
GRADIENT	.00000	.00003	.11369	.03311	-.00647	.00077	.00019	.00009

LARC UPWT 1177(IA94B) OTSAT130 (FJW063) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00105	-1.02372	-.38220	.37312	.00312	-.00112	-.00253
-6.000	-4.00000	2.00109	-.90603	-.30730	.33916	.00523	-.00059	-.00222
-4.000	-4.00000	2.00064	-.73738	-.23070	.31291	.00727	-.00006	-.00190
-2.000	-4.00000	2.00086	-.54123	-.15968	.29497	.01190	.00063	-.00112
.000	-4.00000	2.00141	-.30967	-.08780	.28354	.01703	.00155	-.00072
2.000	-4.00000	2.00109	-.06017	-.01673	.27837	.01942	.00227	-.00063
4.000	-4.00000	2.00136	.20835	.05778	.27742	.02418	.00335	-.00059
GRADIENT	.00000	.00008	.11863	.03600	-.00438	.00207	.00042	.00016

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99822	-1.04957	-.37321	.35576	-.01848	-.00245	-.01051
-6.000	-4.00000	1.99881	-.96207	-.30952	.32169	-.01887	-.00229	-.01042
-4.000	-4.00000	1.99894	-.82595	-.24068	.29139	-.01660	-.00174	-.01019
-2.000	-4.00000	1.99835	-.64716	-.17441	.26952	-.01420	-.00127	-.00940
.000	-4.00000	1.99826	-.42689	-.10909	.25551	-.01119	-.00054	-.00885
2.000	-4.00000	1.99825	-.18790	-.04650	.24744	-.00678	.00022	-.00841
4.000	-4.00000	1.99870	.09294	.02029	.24455	-.00462	.00075	-.00815
GRADIENT	.00000	-.00003	.11385	.03249	-.00579	.00157	.00032	.00025

LARC UPWT 1177(IA94B) OTSAT130 (FJW064) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	2.00178	-1.01990	-.37329	.36575	.00790	-.00138	-.00089
-6.000	.00000	2.00164	-.90590	-.30076	.33204	.01108	-.00090	-.00026
-4.000	.00000	2.00166	-.73866	-.22670	.30689	.01522	-.00010	-.00003
-2.000	.00000	2.00244	-.53766	-.15585	.28988	.01503	.00048	-.00089
.000	.00000	2.00232	-.31378	-.08776	.27967	.02105	.00147	-.00010
2.000	.00000	2.00199	-.07192	-.01972	.27459	.02695	.00258	.00073
4.000	.00000	2.00181	.19957	.05458	.27352	.03204	.00377	.00038
GRADIENT	.00000	-.00001	.11711	.03493	-.00410	.00228	.00049	.00012

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99856	-1.04937	-.36430	.34739	-.02329	-.00376	-.01103
-6.000	.00000	1.99659	-.95654	-.30073	.31435	-.02391	-.00353	-.01089
-4.000	.00000	1.99694	-.82761	-.23707	.28646	-.02021	-.00260	-.01015
-2.000	.00000	1.99764	-.65255	-.17337	.26567	-.01682	-.00189	-.00949
.000	.00000	1.99769	-.42675	-.10741	.25169	-.01237	-.00095	-.00888
2.000	.00000	1.99772	-.17904	-.04361	.24345	-.00599	.00024	-.00752
4.000	.00000	1.99725	.08889	.02150	.24125	.00019	.00128	-.00688
GRADIENT	.00000	.00004	.11533	.03234	-.00563	.00258	.00049	.00043

LARC UPWT 1177(IA94B) OTSAT130 (FJW065) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00213	-1.01905	-.38030	.37296	-.01184	-.00347	-.00800
-6.000	4.00000	2.00231	-.90456	-.30680	.33917	-.00774	-.00263	-.00737
-4.000	4.00000	2.00179	-.74050	-.23125	.31233	-.00388	-.00149	-.00723
-2.000	4.00000	2.00171	-.54773	-.16087	.29366	-.00247	-.00066	-.00754
.000	4.00000	2.00135	-.32949	-.09273	.28144	.00315	.00048	-.00705
2.000	4.00000	2.00069	-.08636	-.02383	.27620	.00846	.00173	-.00656
4.000	4.00000	2.00149	.18870	.05196	.27548	.01401	.00302	-.00689
GRADIENT	.00000	-.00008	.11599	.03517	-.00456	.00234	.00057	.00008

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99954	-1.06165	-.37447	.35299	-.03370	-.00501	-.01553
-6.000	4.00000	1.99891	-.95835	-.30640	.31962	-.03265	-.00453	-.01493
-4.000	4.00000	1.99880	-.82874	-.24172	.29174	-.02812	-.00333	-.01441
-2.000	4.00000	1.99937	-.65303	-.17609	.26959	-.02315	-.00229	-.01361
.000	4.00000	1.99947	-.43959	-.11190	.25465	-.01744	-.00117	-.01252
2.000	4.00000	1.99948	-.20259	-.04968	.24495	-.01317	-.00014	-.01213
4.000	4.00000	1.99902	.06570	.01597	.24205	-.00832	.00092	-.01219
GRADIENT	.00000	.00003	.11197	.03209	-.00620	.00248	.00053	.00030

LARC UPWT 1177(IA94B) OTSAT130 (FJW066) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00261	-1.02045	-.38508	.37715	-.01201	-.00353	-.00947
-6.000	6.00000	2.00217	-.90549	-.31100	.34346	-.01111	-.00288	-.00979
-4.000	6.00000	2.00205	-.74079	-.23451	.31663	-.00683	-.00165	-.00948
-2.000	6.00000	2.00244	-.55170	-.16382	.29685	-.00312	-.00069	-.00927
.000	6.00000	2.00233	-.32965	-.09336	.28326	.00144	.00048	-.00886
2.000	6.00000	2.00237	-.07601	-.02113	.27820	.01163	.00218	-.00736
4.000	6.00000	2.00294	.19977	.05548	.27790	.02547	.00404	-.00588
GRADIENT	.00000	.00009	.11784	.03613	-.00480	.00397	.00071	.00046

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99891	-1.06450	-.37950	.35672	-.04007	-.00569	-.01818
-6.000	6.00000	1.99893	-.96468	-.31226	.32360	-.03756	-.00494	-.01713
-4.000	6.00000	1.99878	-.83269	-.24520	.29452	-.03136	-.00348	-.01606
-2.000	6.00000	1.99997	-.65020	-.17628	.27104	-.02741	-.00240	-.01571
.000	6.00000	1.99908	-.43904	-.11223	.25573	.02396	-.00147	-.01559
2.000	6.00000	1.99935	-.19186	-.04737	.24668	-.01476	.00013	-.01422
4.000	6.00000	1.99911	.07831	.01914	.24379	-.00909	.00127	-.01411
GRADIENT	.00000	.00000	.11402	.03288	-.00629	.00286	.00060	.00027

LARC UPWT 1177(1A94B) OTSAT130 (FJW067) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	2.00043	-.97164	-.36515	.37550	.00647	-.00013	-.00114
-6.000	-6.00000	2.00075	-.84740	-.29026	.34257	.00880	.00024	-.00049
-4.000	-6.00000	2.00099	-.68121	-.21570	.31668	.01151	.00082	.00001
-2.000	-6.00000	2.00109	-.48657	-.14482	.29756	.01267	.00103	.00015
.000	-6.00000	2.00075	-.25336	-.07235	.28554	.01485	.00158	.00023
2.000	-6.00000	2.00030	-.00387	-.00104	.28058	.02028	.00252	.00080
4.000	-6.00000	2.00001	.27366	.07673	.28061	.02647	.00363	.00137
GRADIENT	.00000	-.00014	.11962	.03643	-.00446	.00188	.00036	.00017

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99645	-1.00723	-.35970	.35736	-.01689	-.00180	-.00847
-6.000	-6.00000	1.99638	-.90724	-.29506	.32518	-.01557	-.00148	-.00797
-4.000	-6.00000	1.99645	-.75921	-.22610	.29784	-.01220	-.00085	-.00731
-2.000	-6.00000	1.99586	-.57212	-.15771	.27565	-.01189	-.00053	-.00715
.000	-6.00000	1.99630	-.35911	-.09315	.25941	-.01124	-.00036	-.00696
2.000	-6.00000	1.99640	-.11678	-.02926	.25024	-.00902	.00002	-.00669
4.000	-6.00000	1.99682	.15787	.03928	.24834	-.00582	.00076	-.00646
GRADIENT	.00000	.00006	.11447	.03296	-.00622	.00078	.00019	.00011

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LARC UPWT 1177(IA94B) OTSAT130 (FJW068) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	2.00000	-.99112	-.36817	.37118	.00565	-.00072	-.00142
-6.000	-4.00000	1.99981	-.86892	-.29330	.33757	.00842	-.00015	-.00080
-4.000	-4.00000	2.00010	-.69610	-.21694	.31164	.01100	.00040	-.00038
-2.000	-4.00000	2.00058	-.49651	-.14594	.29396	.01525	.00107	.00037
.000	-4.00000	2.00025	-.27346	-.07753	.28337	.02020	.00196	.00074
2.000	-4.00000	1.99991	-.02659	-.00735	.27824	.02391	.00274	.00095
4.000	-4.00000	1.99946	.24774	.06885	.27821	.02839	.00388	.00096
GRADIENT	.00000	-.00010	.11788	.03551	-.00413	.00217	.00043	.00016

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99709	-1.01659	-.35971	.35403	-.01991	-.00234	-.00976
-6.000	-4.00000	1.99646	-.92693	-.29732	.32072	-.01870	-.00207	-.00900
-4.000	-4.00000	1.99639	-.78140	-.22729	.29085	-.01533	-.00147	-.00818
-2.000	-4.00000	1.99641	-.58884	-.15837	.26892	-.01467	-.00110	-.00791
.000	-4.00000	1.99641	-.37453	-.09573	.25569	-.01005	-.00032	-.00701
2.000	-4.00000	1.99636	-.13702	-.03399	.24789	-.00772	.00032	-.00706
4.000	-4.00000	1.99683	.14055	.03448	.24513	-.00494	.00093	-.00677
GRADIENT	.00000	.00004	.11479	.03240	-.00562	.00139	.00031	.00018

LARC UPWT 1177(IA94B) OTSAT130 (FJW069) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99932	-.99648	-.36340	.36443	.00996	-.00094	-.00031
-6.000	.00000	1.99923	-.87895	-.29103	.33113	.01354	-.00047	.00041
-4.000	.00000	1.99991	-.70889	-.21696	.30605	.01768	.00031	.00068
-2.000	.00000	1.99912	-.51041	-.14772	.28944	.01747	.00089	-.00009
.000	.00000	1.99774	-.28343	-.07931	.27975	.02355	.00187	.00072
2.000	.00000	1.99827	-.03562	-.00975	.27487	.02942	.00305	.00162
4.000	.00000	2.00074	.23312	.06386	.27405	.03447	.00427	.00112
GRADIENT	.00000	.00004	.11794	.03498	-.00393	.00228	.00050	.00013

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99756	-1.01922	-.35179	.34538	-.02383	-.00357	-.01006
-6.000	.00000	1.99763	-.92173	-.28843	.31288	-.02350	-.00324	-.00950
-4.000	.00000	1.99705	-.78407	-.22360	.28517	-.02045	-.00243	-.00904
-2.000	.00000	1.99701	-.60774	-.16100	.26496	-.01802	-.00177	-.00863
.000	.00000	1.99651	-.38328	-.09628	.25113	-.01366	-.00081	-.00805
2.000	.00000	1.99633	-.14051	-.03426	.24382	-.00720	.00034	-.00668
4.000	.00000	1.99684	.13100	.03174	.24209	-.00110	.00142	-.00594
GRADIENT	.00000	-.00005	.11487	.03187	-.00536	.00248	.00049	.00041

LARC UPWT 1177(IA948) OTSAT130 (FJW070) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00099	-.98842	-.36723	.37120	-.00468	-.00264	-.00594
-6.000	4.00000	2.00145	-.86951	-.29371	.33787	-.00135	-.00191	-.00543
-4.000	4.00000	2.00125	-.70596	-.22014	.31180	.00228	-.00081	-.00535
-2.000	4.00000	2.00071	-.50859	-.14912	.29326	.00454	.00009	-.00546
.000	4.00000	2.00172	-.28656	-.08082	.28189	.01062	.00123	-.00482
2.000	4.00000	2.00127	-.04230	-.01163	.27643	.01597	.00247	-.00426
4.000	4.00000	2.00076	.23225	.06413	.27644	.02170	.00381	-.00481
GRADIENT	.00000	-.00002	.11714	.03530	-.00438	.00251	.00058	.00011

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	1.99822	-1.02578	-.36043	.35164	-.03362	-.00471	-.01421
-6.000	4.00000	1.99811	-.92217	-.29378	.31849	-.03134	-.00417	-.01337
-4.000	4.00000	1.99873	-.78383	-.22740	.29015	-.02856	-.00312	-.01296
-2.000	4.00000	1.99827	-.60346	-.16207	.26851	-.02304	-.00204	-.01213
.000	4.00000	1.99814	-.39815	-.10122	.25429	-.01790	-.00097	-.01121
2.000	4.00000	1.99817	-.14701	-.03623	.24619	-.01321	.00018	-.01074
4.000	4.00000	1.99817	.12670	.03088	.24347	-.00670	.00134	-.01029
GRADIENT	.00000	-.00006	.11387	.03212	-.00578	.00268	.00056	.00034

LARC UPWT 1177(IA94B) OTSAT130 (FJW071) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-6.000	6.00000	2.00102	-.99197	-.37210	.37482	-.00480	-.00272	-.00758
-6.000	6.00000	2.00138	-.87475	-.29859	.34139	-.00513	-.00214	-.00812
-4.000	6.00000	2.00199	-.70616	-.22261	.31521	-.00218	-.00101	-.00811
-2.000	6.00000	2.00033	-.50689	-.14990	.29573	.00094	-.00012	-.00797
.000	6.00000	2.00078	-.28506	-.08070	.28302	.00590	.00107	-.00747
2.000	6.00000	2.00109	-.03213	-.00887	.27801	.01493	.00270	-.00625
4.000	6.00000	2.00104	.24678	.06866	.27862	.02891	.00460	-.00476
GRADIENT	.00000	-.00006	.11903	.03618	-.00454	.00381	.00070	.00042

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	1.99745	-1.02493	-.36291	.35433	-.03644	-.00514	-.01610
-6.000	6.00000	1.99865	-.92564	-.29802	.32188	-.03482	-.00442	-.01493
-4.000	6.00000	1.99879	-.78809	-.23098	.29313	-.02802	-.00293	-.01393
-2.000	6.00000	1.99880	-.59829	-.16228	.27118	-.02313	-.00178	-.01330
.000	6.00000	1.99822	-.38955	-.09977	.25622	-.02031	-.00091	-.01317
2.000	6.00000	1.99866	-.13981	-.03463	.24724	-.01203	.00063	-.01201
4.000	6.00000	1.99839	.13488	.03319	.24534	-.00510	.00188	-.01170
GRADIENT	.00000	-.00005	.11522	.03280	-.00598	.00285	.00060	.00029

LARC UPWT 1177(1A94B) OTSAT130 (FJW072) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-6.00000	1.99931	-.95658	-.42016	.43874	-.01374	-.00219	-.00600
-6.000	-6.00000	1.99864	-.78963	-.32021	.40557	-.00706	-.00103	-.00523
-4.000	-6.00000	1.99688	-.58328	-.22140	.37962	.00084	.00035	-.00449
-2.000	-6.00000	1.99754	-.36127	-.13110	.36284	.01135	.00211	-.00378
.000	-6.00000	1.99861	-.13453	-.04730	.35144	.02250	.00393	-.00291
2.000	-6.00000	1.99801	.10036	.03503	.34827	.03074	.00550	-.00249
4.000	-6.00000	1.99816	.34250	.12071	.35288	.04315	.00769	-.00166
GRADIENT	.00000	.00015	.11566	.04252	-.00340	.00520	.00090	.00035

LARC UPWT 1177(1A94B) OTSAT130 (FJW073) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	-4.00000	1.99694	-.96583	-.42206	.43632	-.01228	-.00220	-.00670
-6.000	-4.00000	1.99681	-.79174	-.31843	.40240	-.00491	-.00084	-.00593
-4.000	-4.00000	1.99730	-.58642	-.22126	.37720	.00352	.00067	-.00516
-2.000	-4.00000	1.99731	-.36636	-.13216	.36092	.01196	.00222	-.00484
.000	-4.00000	1.99885	-.14956	-.05257	.35083	.01977	.00354	-.00464
2.000	-4.00000	2.00113	.08051	.02801	.34638	.02605	.00478	-.00452
4.000	-4.00000	2.00122	.31926	.11196	.35128	.03613	.00684	-.00413
GRADIENT	.00000	.00058	.11291	.04133	-.00332	.00397	.00074	.00012

LARC UPWT 1177(IA94B) OTSAT130 (FJW074) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	.00000	1.99958	-.98137	-.42503	.43263	-.00530	-.00161	-.00715
-6.000	.00000	2.00107	-.81347	-.32345	.39767	.00374	-.00010	-.00634
-4.000	.00000	2.00051	-.59731	-.22166	.37108	.01263	.00137	-.00571
-2.000	.00000	1.99849	-.37567	-.13356	.35563	.01819	.00252	-.00586
.000	.00000	1.99897	-.15996	-.05574	.34823	.02327	.00358	-.00633
2.000	.00000	1.99781	.06604	.02285	.34527	.03299	.00510	-.00583
4.000	.00000	1.99646	.30669	.10630	.34684	.03986	.00667	-.00651
GRADIENT	.00000	-.00044	.11249	.04062	-.00294	.00346	.00066	-.00008

LARC UPWT 1177(IA94B) OTSAT130 (FJW075) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	4.00000	2.00251	-.98081	-.42988	.43767	-.00398	-.00166	-.00997
-6.000	4.00000	2.00298	-.81344	-.32781	.40319	.00364	-.00028	-.00970
-4.000	4.00000	2.00091	-.61084	-.23037	.37701	.01041	.00106	-.00981
-2.000	4.00000	2.00000	-.38777	-.13959	.36024	.01827	.00247	-.00963
.000	4.00000	2.00012	-.16327	-.05730	.35020	.02518	.00369	-.00947
2.000	4.00000	1.99984	.06941	.02408	.34484	.03366	.00510	-.00916
4.000	4.00000	1.99873	.31153	.10873	.34970	.04410	.00711	-.00864
GRADIENT	.00000	-.00023	.11510	.04209	-.00350	.00414	.00074	.00014

LARC UPWT 1177(IA94B) OTSAT130 (FJW076) (08 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	BETA	RN/L	L/DU	CLU	CDU	CNW	CBW	CTW
-8.000	6.00000	2.00186	-.99458	-.43851	.44037	-.00881	-.00189	-.01224
-6.000	6.00000	2.00152	-.83334	-.33778	.40547	.00002	-.00037	-.01169
-4.000	6.00000	2.00172	-.62508	-.23684	.37881	.00883	.00126	-.01145
-2.000	6.00000	2.00133	-.39663	-.14303	.36079	.01826	.00285	-.01097
.000	6.00000	2.00119	-.17100	-.05976	.34889	.02579	.00406	-.01080
2.000	6.00000	2.00078	.07150	.02469	.34351	.03333	.00540	-.01077
4.000	6.00000	1.99947	.32430	.11264	.34796	.04398	.00742	-.01017
GRADIENT	.00000	-.00025	.11835	.04333	-.00395	.00427	.00074	.00014

LARC UPWT 1177(IA94B) OTSAT130 (IJW001) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02377	.01514	.01554	.30513	-.50075	.20413
-6.000	.02414	.01538	.01570	.29805	-.38160	.16067
-4.000	.02444	.01892	.01581	.28806	-.26880	.12049
-2.000	.02493	.02287	.01590	.27837	-.16637	.08517
.000	.02554	.02614	.01595	.26826	-.07398	.05480
2.000	.02579	.02766	.01591	.26156	.02178	.02141
4.000	.02575	.02868	.01579	.25825	.11911	-.01714
GRADIENT	.00017	.00122	-.00000	-.00382	.04820	-.01695

LARC UPWT 1177(IA94B) OTSAT130 (IJW002) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02346	.03346	.01621	.28427	-.50613	.20937
-6.000	.02383	.03406	.01628	.27718	-.38673	.16482
-4.000	.02415	.03369	.01640	.27086	-.27661	.12508
-2.000	.02461	.03225	.01647	.26666	-.17014	.08867
.000	.02525	.03000	.01647	.26323	-.07591	.05863
2.000	.02542	.02949	.01638	.25784	.01718	.02749
4.000	.02543	.02945	.01616	.25587	.11138	-.00893
GRADIENT	.00017	-.00056	-.00003	-.00194	.04817	-.01646

LARC UPWT 1177(IA94B) OTSAT130 (IJW003) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02083	.01859	.01169	.30620	-.50199	.20284
-6.000	.02113	.01736	.01208	.29816	-.38238	.15835
-4.000	.02191	.01630	.01278	.29011	-.27089	.11787
-2.000	.02254	.01544	.01331	.28535	-.16534	.08244
.000	.02323	.01545	.01396	.28070	-.07333	.05505
2.000	.02387	.01590	.01427	.27500	.01525	.02648
4.000	.02419	.01602	.01455	.26866	.11184	-.00856
GRADIENT	.00029	-.00000	.00023	-.00266	.04730	-.01544

LARC UPWT 1177(IA94B) OTSAT130 (IJW004) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02318	.03294	.01547	.28743	-.51575	.20995
-6.000	.02348	.03319	.01549	.28039	-.39843	.16668
-4.000	.02374	.03305	.01516	.27434	-.28431	.12610
-2.000	.02414	.03253	.01487	.27014	-.17707	.08926
.000	.02476	.03152	.01488	.26549	-.08313	.05935
2.000	.02520	.03026	.01494	.26047	.00992	.02844
4.000	.02548	.02987	.01492	.25721	.10721	-.00809
GRADIENT	.00023	-.00043	-.00002	-.00220	.04850	-.01646

LARC UPWT 1177(IA94B) OTSAT130 (IJW005) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02333	.03469	.01512	.28811	-.52372	.21307
-6.000	.02374	.03488	.01518	.28078	-.40764	.17058
-4.000	.02418	.03441	.01487	.27494	-.29316	.12991
-2.000	.02450	.03358	.01449	.27062	-.18527	.09260
.000	.02500	.03235	.01442	.26493	-.08753	.06047
2.000	.02537	.03118	.01445	.25923	.00763	.02734
4.000	.02563	.03069	.01434	.25654	.10723	-.01096
GRADIENT	.00019	-.00049	-.00005	-.00241	.04968	-.01735

LARC UPWT 1177(IA94B) OTSAT130 (IJW006) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02561	.03500	.01678	.27987	-.50079	.20161
-6.000	.02603	.03509	.01687	.27292	-.38205	.15846
-4.000	.02642	.03442	.01703	.26662	-.27042	.11949
-2.000	.02690	.03326	.01709	.26229	-.16820	.08442
.000	.02754	.03111	.01704	.25771	-.07164	.05308
2.000	.02762	.03030	.01682	.25460	.01811	.02153
4.000	.02756	.03023	.01663	.25204	.11888	-.01850
GRADIENT	.00015	-.00057	-.00005	-.00184	.04825	-.01694

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01440	.01965	.00914	.26706	-.43588	.17917
-6.000	.01452	.01967	.00916	.25655	-.34809	.14942
-4.000	.01472	.01952	.00918	.24678	-.25627	.11678
-2.000	.01492	.01924	.00916	.23825	-.17246	.08997
.000	.01515	.01893	.00911	.23140	-.09134	.06481
2.000	.01540	.01855	.00899	.22669	-.01020	.03764
4.000	.01545	.01847	.00884	.22169	.07585	.00413
GRADIENT	.00010	-.00014	-.00004	-.00309	.04133	-.01388

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00867	.01144	.00548	.27163	-.42577	.17822
-6.000	.00857	.01145	.00549	.25941	-.34752	.15393
-4.000	.00868	.01145	.00549	.24787	-.26633	.12704
-2.000	.00878	.01144	.00554	.23702	-.18683	.10040
.000	.00886	.01156	.00553	.22617	-.10913	.07570
2.000	.00904	.01150	.00547	.21662	-.03831	.05428
4.000	.00933	.01116	.00529	.21071	.03722	.02699
GRADIENT	.00008	-.00003	-.00002	-.00474	.03778	-.01231

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LARC UPWT 1177(IA94B) OTSAT130 (IJW007) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02533	.03418	.01688	.27847	-.50425	.20569
-6.000	.02567	.03468	.01693	.27156	-.38148	.16066
-4.000	.02598	.03426	.01709	.26499	-.26913	.12063
-2.000	.02630	.03346	.01708	.26094	-.16925	.08571
.000	.02694	.03143	.01699	.25787	-.07671	.05675
2.000	.02722	.03024	.01686	.25308	.01575	.02596
4.000	.02711	.03018	.01672	.25101	.11083	-.01071
GRADIENT	.00016	-.00057	-.00005	-.00179	.04725	-.01612

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01470	.01851	.00895	.26290	-.43420	.18052
-6.000	.01452	.01885	.00906	.25172	-.34622	.15073
-4.000	.01471	.01880	.00914	.24232	-.25678	.11945
-2.000	.01487	.01881	.00915	.23508	-.17414	.09320
.000	.01511	.01864	.00912	.22942	-.09506	.06897
2.000	.01535	.01823	.00898	.22450	-.01582	.04313
4.000	.01543	.01794	.00889	.21995	.07127	.00838
GRADIENT	.00010	-.00011	-.00003	-.00277	.04072	-.01361

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00881	.01116	.00525	.26766	-.42007	.17594
-6.000	.00875	.01131	.00531	.25406	-.34625	.15498
-4.000	.00875	.01132	.00536	.24067	-.26668	.12879
-2.000	.00891	.01132	.00541	.22971	-.18751	.10241
.000	.00898	.01132	.00542	.22197	-.11336	.08015
2.000	.00912	.01132	.00542	.21423	-.04246	.05794
4.000	.00920	.01132	.00538	.20756	.03162	.03156
GRADIENT	.00006	.00000	.00000	-.00408	.03708	-.01195

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02403	.03451	.01630	.27592	-.49932	.20048
-6.000	.02433	.03492	.01632	.26763	-.38346	.15814
-4.000	.02490	.03464	.01626	.26028	-.26882	.11632
-2.000	.02538	.03388	.01623	.25687	-.16520	.08200
.000	.02581	.03265	.01622	.25558	-.07635	.05525
2.000	.02629	.03106	.01615	.25269	.01358	.02718
4.000	.02606	.03100	.01606	.24819	.10505	-.00686
GRADIENT	.00016	-.00051	-.00002	-.00142	.04633	-.01506

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01424	.01951	.00910	.25695	-.42974	.17559
-6.000	.01433	.01942	.00913	.24539	-.34418	.14800
-4.000	.01441	.01926	.00915	.23687	-.25382	.11832
-2.000	.01463	.01877	.00914	.23095	-.17513	.09220
.000	.01491	.01825	.00910	.22674	-.09668	.06888
2.000	.01504	.01805	.00907	.22188	-.02079	.04514
4.000	.01507	.01762	.00896	.21715	.06556	.01303
GRADIENT	.00009	-.00020	-.00002	-.00242	.04006	-.01288

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00854	.01134	.00546	.26159	-.41438	.17216
-6.000	.00861	.01132	.00557	.24841	-.34116	.15079
-4.000	.00869	.01145	.00558	.23606	-.26472	.12739
-2.000	.00876	.01135	.00558	.22645	-.19097	.10473
.000	.00888	.01131	.00558	.21794	-.11705	.08130
2.000	.00905	.01133	.00553	.21123	-.04471	.05899
4.000	.00907	.01122	.00552	.20588	.02839	.03419
GRADIENT	.00005	-.00002	-.00001	-.00378	.03662	-.01161

LARC UPWT 1177(IA94B) OTSAT130 (IJW009) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02495	.03391	.01577	.28185	-.51110	.20454
-6.000	.02526	.03421	.01567	.27488	-.39281	.16123
-4.000	.02560	.03383	.01521	.26927	-.28440	.12343
-2.000	.02598	.03307	.01503	.26532	-.17773	.08623
.000	.02663	.03196	.01505	.26113	-.08113	.05585
2.000	.02708	.03077	.01505	.25540	.01291	.02484
4.000	.02719	.03057	.01502	.25333	.11039	-.01203
GRADIENT	.00021	-.00044	-.00002	-.00209	.04901	-.01662

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01411	.01916	.00904	.26279	-.43299	.17925
-6.000	.01423	.01918	.00904	.25144	-.34640	.15048
-4.000	.01438	.01908	.00904	.24196	-.25839	.11998
-2.000	.01456	.01877	.00898	.23496	-.17628	.09385
.000	.01475	.01860	.00896	.22850	-.09752	.07058
2.000	.01502	.01849	.00890	.22283	-.02004	.04589
4.000	.01521	.01838	.00887	.21822	.06505	.01232
GRADIENT	.00011	-.00008	-.00002	-.00298	.04016	-.01316

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00857	.01143	.00547	.26299	-.41710	.17416
-6.000	.00853	.01159	.00550	.25089	-.34133	.15138
-4.000	.00852	.01147	.00552	.23926	-.26141	.12474
-2.000	.00860	.01147	.00555	.22832	-.18544	.10101
.000	.00878	.01135	.00553	.22028	-.11435	.08047
2.000	.00898	.01133	.00553	.21238	-.04554	.05957
4.000	.00909	.01133	.00553	.20550	.02975	.03291
GRADIENT	.00008	-.00002	-.00000	-.00417	.03611	-.01126

LARC UPWT 1177(IA94B) OTSAT130 (1JW010) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02517	.03449	.01516	.28382	-.51968	.20803
-6.000	.02558	.03488	.01518	.27609	-.40112	.16475
-4.000	.02594	.03425	.01481	.27062	-.28832	.12528
-2.000	.02618	.03364	.01460	.26615	-.18154	.08778
.000	.02675	.03272	.01447	.26059	-.08496	.05643
2.000	.02711	.03154	.01448	.25490	.01068	.02364
4.000	.02733	.03087	.01440	.25201	.11273	-.01623
GRADIENT	.00019	-.00044	-.00005	-.00242	.04972	-.01736

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01413	.01894	.00886	.26616	-.43725	.18128
-6.000	.01418	.01907	.00887	.25519	-.34984	.15206
-4.000	.01434	.01907	.00884	.24560	-.26115	.12067
-2.000	.01448	.01898	.00882	.23722	-.17709	.09367
.000	.01477	.01867	.00876	.23013	-.09751	.07001
2.000	.01503	.01850	.00867	.22501	-.01767	.04326
4.000	.01512	.01848	.00862	.22008	.06947	.00838
GRADIENT	.00011	-.00008	-.00003	-.00316	.04103	-.01375

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00892	.01146	.00552	.26479	-.42145	.17721
-6.000	.00871	.01148	.00550	.25298	-.34568	.15436
-4.000	.00864	.01147	.00552	.24151	-.26704	.12836
-2.000	.00870	.01147	.00553	.22999	-.18736	.10175
.000	.00885	.01146	.00548	.22128	-.11352	.07978
2.000	.00906	.01146	.00545	.21295	-.04058	.05622
4.000	.00914	.01136	.00545	.20679	.03369	.02967
GRADIENT	.00007	-.00001	-.00001	-.00432	.03741	-.01214

LARC UPWT 1177(IA94B) OTSAT130 (IJW011) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01414	.01810	.00881	.27056	-.42727	.17553
-6.000	.01416	.01841	.00886	.26031	-.34097	.14659
-4.000	.01432	.01837	.00892	.25091	-.25110	.11464
-2.000	.01449	.01807	.00891	.24270	-.16758	.08853
.000	.01482	.01779	.00883	.23601	-.08612	.06370
2.000	.01502	.01761	.00870	.23117	-.00460	.03601
4.000	.01504	.01767	.00857	.22615	.07983	.00366
GRADIENT	.00010	-.00009	-.00005	-.00305	.04124	-.01372

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00804	.01064	.00525	.27672	-.41965	.17400
-6.000	.00803	.01064	.00527	.26452	-.34190	.15072
-4.000	.00811	.01064	.00533	.25248	-.25960	.12303
-2.000	.00824	.01064	.00530	.24219	-.17918	.09645
.000	.00835	.01064	.00526	.23187	-.10584	.07419
2.000	.00855	.01064	.00522	.22259	-.03186	.05088
4.000	.00865	.01053	.00515	.21636	.04451	.02327
GRADIENT	.00007	-.00001	-.00002	-.00459	.03778	-.01225

LARC UPWT 1177(IA94B) OTSAT130 (IJW012) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01395	.01839	.00884	.26563	-.42877	.17844
-6.000	.01405	.01842	.00892	.25472	-.34113	.14867
-4.000	.01422	.01828	.00899	.24594	-.25169	.11738
-2.000	.01444	.01820	.00901	.23910	-.16968	.09187
.000	.01476	.01802	.00891	.23381	-.09068	.06798
2.000	.01501	.01749	.00871	.22891	-.01195	.04211
4.000	.01507	.01711	.00859	.22450	.07172	.00973
GRADIENT	.00011	-.00015	-.00005	-.00265	.04023	-.01325

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00815	.01051	.00510	.27263	-.41411	.17241
-6.000	.00810	.01050	.00515	.25937	-.34064	.15109
-4.000	.00815	.01051	.00523	.24600	-.25996	.12477
-2.000	.00824	.01050	.00524	.23568	-.18038	.09807
.000	.00837	.01063	.00521	.22735	-.10691	.07674
2.000	.00856	.01054	.00519	.22004	-.03522	.05396
4.000	.00865	.01050	.00516	.21315	.03950	.02747
GRADIENT	.00007	.00000	-.00001	-.00407	.03720	-.01194

LARC UPWT 1177(IA948) OTSAT130 (IJW013) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01381	.01870	.00893	.25896	-.42039	.17049
-6.000	.01388	.01861	.00897	.24795	-.33438	.14284
-4.000	.01395	.01844	.00901	.24015	-.24797	.11347
-2.000	.01421	.01777	.00895	.23490	-.16686	.08895
.000	.01459	.01700	.00887	.23125	-.09057	.06691
2.000	.01468	.01697	.00881	.22613	-.01298	.04217
4.000	.01464	.01672	.00868	.22188	.07102	.01184
GRADIENT	.00009	-.00021	-.00004	-.00227	.03959	-.01250

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00769	.01078	.00531	.26658	-.40699	.16808
-6.000	.00779	.01078	.00534	.25367	-.33526	.14820
-4.000	.00792	.01078	.00536	.24211	-.26021	.12523
-2.000	.00811	.01078	.00540	.23200	-.18323	.10113
.000	.00828	.01066	.00533	.22401	-.10909	.07729
2.000	.00841	.01064	.00532	.21735	-.03858	.05588
4.000	.00857	.01055	.00528	.21128	.03457	.03114
GRADIENT	.00008	-.00003	-.00001	-.00381	.03671	-.01167

LARC UPWT 1177(IA94B) OTSAT130 (IJW014) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01384	.01783	.00866	.26717	-.42980	.17872
-6.000	.01383	.01807	.00870	.25598	-.34227	.14914
-4.000	.01396	.01811	.00873	.24615	-.25528	.11892
-2.000	.01412	.01794	.00866	.23935	-.17416	.09419
.000	.01437	.01766	.00863	.23335	-.09560	.07071
2.000	.01465	.01755	.00857	.22791	-.01680	.04522
4.000	.01483	.01733	.00851	.22328	.06621	.01312
GRADIENT	.00011	-.00010	-.00003	-.00286	.04002	-.01303

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00818	.01065	.00527	.26831	-.41081	.16946
-6.000	.00804	.01064	.00526	.25599	-.33564	.14803
-4.000	.00804	.01065	.00531	.24455	-.25676	.12202
-2.000	.00816	.01065	.00532	.23399	-.18047	.09763
.000	.00828	.01065	.00532	.22517	-.10838	.07758
2.000	.00839	.01054	.00530	.21752	-.03794	.05536
4.000	.00854	.01051	.00529	.21094	.03773	.02896
GRADIENT	.00006	-.00002	-.00000	-.00418	.03658	-.01142

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LARC UPWT 1177(IA94B) OTSAT130 (!JW015) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01370	.01830	.00853	.26998	-.43566	.18173
-6.000	.01377	.01852	.00857	.25895	-.34801	.15227
-4.000	.01390	.01847	.00858	.24990	-.25875	.12001
-2.000	.01412	.01822	.00854	.24193	-.17471	.09332
.000	.01442	.01787	.00844	.23507	-.09549	.07000
2.000	.01465	.01778	.00836	.23013	-.01454	.04249
4.000	.01463	.01774	.00834	.22552	.07142	.00870
GRADIENT	.00010	-.00010	-.00003	-.00303	.04103	-.01367

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00817	.01051	.00526	.27130	-.41918	.17487
-6.000	.00790	.01064	.00528	.25937	-.33871	.14973
-4.000	.00794	.01065	.00529	.24681	-.26014	.12435
-2.000	.00808	.01075	.00529	.23633	-.18060	.09837
.000	.00827	.01078	.00527	.22706	-.10735	.07617
2.000	.00851	.01067	.00524	.21855	-.03346	.05205
4.000	.00859	.01054	.00522	.21254	.03938	.02697
GRADIENT	.00009	-.00001	-.00001	-.00432	.03731	-.01205

LARC UPWT 1177(IA94B) OTSAT130 (IJW016) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02535	.03658	.01659	.27948	-.49637	.19658
-6.000	.02572	.03596	.01667	.27346	-.37739	.15352
-4.000	.02621	.03457	.01685	.26787	-.26581	.11391
-2.000	.02672	.03331	.01694	.26354	-.16443	.07899
.000	.02726	.03157	.01695	.25809	-.06853	.04791
2.000	.02741	.03056	.01682	.25502	.02284	.01547
4.000	.02723	.03000	.01648	.25319	.12658	-.02445
GRADIENT	.00014	-.00059	-.00004	-.00189	.04860	-.01701

LARC UPWT 1177(IA94B) OTSAT130 (IJW017) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02513	.03433	.01677	.27914	-.50220	.20146
-6.000	.02544	.03522	.01677	.27185	-.38089	.15675
-4.000	.02575	.03449	.01683	.26566	-.26470	.11533
-2.000	.02618	.03320	.01687	.26212	-.16608	.08170
.000	.02675	.03111	.01681	.25836	-.07199	.05187
2.000	.02698	.03002	.01671	.25427	.01863	.02126
4.000	.02686	.02985	.01650	.25269	.11673	-.01611
GRADIENT	.00015	-.00062	-.00004	-.00169	.04738	-.01617

LARC UPWT 1177(IA94B) OTSAT130 (IJW018) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02381	.03513	.01635	.27544	-.49556	.19504
-6.000	.02422	.03484	.01626	.26757	-.37498	.15156
-4.000	.02485	.03434	.01613	.26101	-.26202	.11035
-2.000	.02531	.03330	.01610	.25829	-.16283	.07713
.000	.02573	.03211	.01607	.25632	-.06870	.04972
2.000	.02602	.03115	.01603	.25275	.02193	.02031
4.000	.02571	.03044	.01581	.25010	.11399	-.01362
GRADIENT	.00012	-.00050	-.00004	-.00137	.04684	-.01524

LARC UPWT 1177(IA94B) OTSAT130 (IJW019) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02477	.03389	.01558	.28229	-.50825	.19983
-6.000	.02512	.03404	.01550	.27570	-.39074	.15741
-4.000	.02543	.03352	.01494	.27039	-.27726	.11752
-2.000	.02581	.03268	.01473	.26643	-.17022	.07990
.000	.02642	.03168	.01482	.26189	-.07388	.05019
2.000	.02686	.03042	.01488	.25642	.01654	.02025
4.000	.02699	.03025	.01488	.25415	.11403	-.01624
GRADIENT	.00021	-.00044	.00000	-.00212	.04847	-.01636

LARC UPWT 1177(IA94B) OTSAT130 (IJW020) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02492	.03533	.01530	.28250	-.51270	.20139
-6.000	.02533	.03505	.01526	.27603	-.39404	.15828
-4.000	.02566	.03441	.01492	.27088	-.28064	.11872
-2.000	.02609	.03351	.01450	.26669	-.17430	.08186
.000	.02658	.03222	.01433	.26136	-.07886	.05094
2.000	.02699	.03089	.01430	.25586	.01623	.01801
4.000	.02719	.03050	.01415	.25357	.11755	-.02112
GRADIENT	.00020	-.00052	-.00009	-.00227	.04934	-.01718

LARC UPWT 1177(IA94B) OTSAT130 (IJW021) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01395	.01853	.00885	.26924	-.42861	.17530
-6.000	.01402	.01873	.00888	.25872	-.33974	.14518
-4.000	.01419	.01866	.00889	.24935	-.24924	.11332
-2.000	.01440	.01845	.00890	.24100	-.16674	.08790
.000	.01465	.01816	.00886	.23426	-.08533	.06257
2.000	.01483	.01798	.00878	.22919	-.00387	.03480
4.000	.01494	.01786	.00860	.22438	.08348	.00144
GRADIENT	.00010	-.00010	-.00004	-.00309	.04142	-.01384

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (IJW021) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00843	.01062	.00515	.27471	-.41622	.17214
-6.000	.00829	.01074	.00517	.26272	-.34047	.14952
-4.000	.00829	.01077	.00520	.25146	-.25653	.12097
-2.000	.00829	.01077	.00521	.24088	-.17689	.09472
.000	.00836	.01075	.00514	.22993	-.10136	.07165
2.000	.00852	.01076	.00513	.22044	-.02839	.04892
4.000	.00863	.01075	.00509	.21468	.04733	.02148
GRADIENT	.00004	-.00000	-.00001	-.00470	.03781	-.01224

LARC UPWT 1177(IA94B) OTSAT130 (IJW022) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01407	.01831	.00872	.26490	-.42977	.17846
-6.000	.01405	.01840	.00879	.25394	-.34127	.14858
-4.000	.01419	.01831	.00887	.24490	-.25286	.11762
-2.000	.01438	.01828	.00890	.23793	-.16983	.09155
.000	.01465	.01805	.00885	.23244	-.08948	.06677
2.000	.01487	.01784	.00879	.22691	-.00908	.03988
4.000	.01497	.01752	.00872	.22238	.07396	.00844
GRADIENT	.00010	-.00010	-.00002	-.00280	.04072	-.01350

LARC UPWT 1177(IA94B) OTSAT130 (IJW022) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00840	.01063	.00510	.27017	-.41388	.17264
-6.000	.00826	.01063	.00510	.25736	-.33696	.14971
-4.000	.00820	.01075	.00512	.24498	-.25920	.12435
-2.000	.00828	.01067	.00515	.23383	-.18032	.09828
.000	.00832	.01051	.00520	.22614	-.10731	.07661
2.000	.00846	.01062	.00519	.21877	-.03509	.05416
4.000	.00863	.01055	.00514	.21175	.04077	.02731
GRADIENT	.00005	-.00002	.00000	-.00408	.03726	-.01191

LARC UPWT 1177(IA94B) OTSAT130 (IJW023) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01383	.01887	.00889	.25845	-.42238	.17145
-6.000	.01388	.01888	.00891	.24714	-.33659	.14383
-4.000	.01394	.01883	.00891	.23863	-.24901	.11356
-2.000	.01419	.01828	.00892	.23305	-.16853	.08907
.000	.01449	.01789	.00890	.22875	-.08912	.06549
2.000	.01464	.01754	.00885	.22448	-.01129	.04049
4.000	.01467	.01737	.00880	.21913	.07155	.01075
GRADIENT	.00010	-.00018	-.00001	-.00238	.03992	-.01271

LARC UPWT 1177(IA94B) OTSAT130 (IJW023) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00773	.01036	.00520	.26560	-.40537	.16487
-6.000	.00783	.01050	.00523	.25178	-.32992	.14342
-4.000	.00792	.01050	.00523	.24047	-.25466	.12042
-2.000	.00809	.01063	.00528	.23043	-.18001	.09700
.000	.00826	.01052	.00527	.22173	-.10223	.07224
2.000	.00840	.01050	.00521	.21492	-.03281	.05150
4.000	.00852	.01051	.00520	.20920	.03984	.02734
GRADIENT	.00008	-.00001	-.00001	-.00390	.03681	-.01158

LARC UPWT 1177(IA94B) OTSAT130 (IJW024) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01367	.01870	.00883	.26538	-.42904	.17698
-6.000	.01380	.01870	.00883	.25412	-.34205	.14831
-4.000	.01392	.01846	.00880	.24489	-.25441	.11828
-2.000	.01410	.01830	.00877	.23778	-.17229	.09248
.000	.01430	.01817	.00874	.23122	-.09320	.06896
2.000	.01459	.01795	.00866	.22602	-.01582	.04422
4.000	.01476	.01774	.00860	.22145	.06958	.01120
GRADIENT	.00011	-.00009	-.00003	-.00293	.04022	-.01312

LARC UPWT 1177(IA94B) OTSAT130 (IJW024) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00779	.01076	.00527	.26887	-.41318	.17055
-6.000	.00779	.01090	.00523	.25599	-.33630	.14778
-4.000	.00795	.01092	.00528	.24383	-.25751	.12271
-2.000	.00808	.01080	.00532	.23304	-.18054	.09755
.000	.00817	.01078	.00527	.22461	-.10883	.07758
2.000	.00829	.01067	.00526	.21716	-.03634	.05451
4.000	.00849	.01054	.00526	.21035	.03728	.02904
GRADIENT	.00006	-.00004	-.00000	-.00414	.03669	-.01152

LARC UPWT 1177(IA94B) OTSAT130 (IJW025) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01376	.01836	.00858	.26909	-.43442	.18021
-6.000	.01376	.01861	.00861	.25831	-.34709	.15110
-4.000	.01388	.01856	.00857	.24870	-.25662	.11841
-2.000	.01406	.01827	.00854	.24053	-.17247	.09166
.000	.01435	.01808	.00849	.23317	-.09293	.06800
2.000	.01458	.01789	.00843	.22818	-.01209	.04061
4.000	.01472	.01786	.00835	.22379	.07298	.00760
GRADIENT	.00011	-.00009	-.00003	-.00311	.04098	-.01363

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LARC UPWT 1177(IA948) OTSAT130 (IJW025) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00832	.01064	.00523	.27077	-.41897	.17499
-6.000	.00789	.01079	.00525	.25867	-.34085	.15137
-4.000	.00786	.01080	.00526	.24599	-.25877	.12423
-2.000	.00807	.01078	.00524	.23567	-.18210	.09917
.000	.00821	.01091	.00524	.22632	-.10737	.07630
2.000	.00837	.01081	.00522	.21846	-.03431	.05277
4.000	.00851	.01075	.00519	.21203	.03977	.02670
GRADIENT	.00008	-.00000	-.00001	-.00426	.03724	-.01207

LARC UPWT 1177(IA94D) OTSAT130 (IJW026) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02495	.03545	.01642	.27969	-.51081	.20911
-6.000	.02522	.03582	.01650	.27298	-.39492	.16656
-4.000	.02547	.03517	.01670	.26651	-.28169	.12636
-2.000	.02579	.03421	.01673	.26179	-.17746	.09091
.000	.02631	.03296	.01670	.25591	-.08028	.05887
2.000	.02646	.03226	.01651	.25196	.01105	.02671
4.000	.02621	.03205	.01623	.25038	.11107	-.01293
GRADIENT	.00011	-.00041	-.00006	-.00210	.04870	-.01714

LARC UPWT 1177(1A94B) OTSAT130 (1JW026) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01414	.01805	.00892	.26902	-.44289	.18301
-6.000	.01399	.01839	.00897	.25862	-.35230	.15182
-4.000	.01408	.01850	.00901	.24845	-.25952	.11820
-2.000	.01432	.01834	.00902	.23998	-.17625	.09169
.000	.01456	.01808	.00896	.23301	-.09576	.06709
2.000	.01476	.01801	.00887	.22745	-.01476	.03953
4.000	.01479	.01798	.00879	.22263	.07201	.00574
GRADIENT	.00009	-.00007	-.00003	-.00321	.04123	-.01385

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00838	.01086	.00544	.27323	-.42367	.17837
-6.000	.00826	.01085	.00544	.26123	-.34467	.15422
-4.000	.00820	.01086	.00545	.25008	-.26165	.12603
-2.000	.00826	.01086	.00545	.23955	-.18104	.09863
.000	.00826	.01085	.00546	.22901	-.10658	.07586
2.000	.00855	.01086	.00540	.21933	-.03342	.05316
4.000	.00875	.01076	.00524	.21315	.04186	.02584
GRADIENT	.00007	-.00001	-.00002	-.00470	.03773	-.01229

LARC UPWT 1177(IA94B) OTSAT130 (IJW027) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02420	.03536	.01656	.27702	-.51178	.21086
-6.000	.02439	.03574	.01663	.27050	-.39461	.16791
-4.000	.02469	.03551	.01674	.26415	-.28375	.12812
-2.000	.02500	.03478	.01670	.25987	-.18146	.09264
.000	.02579	.03316	.01661	.25529	-.08562	.06274
2.000	.02606	.03207	.01649	.24963	.00693	.03161
4.000	.02575	.03186	.01632	.24957	.10700	-.00748
GRADIENT	.00016	-.00050	-.00005	-.00197	.04849	-.01661

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01414	.01812	.00885	.26402	-.44055	.18329
-6.000	.01397	.01834	.00895	.25293	-.34986	.15173
-4.000	.01406	.01842	.00904	.24331	-.25943	.11969
-2.000	.01421	.01849	.00906	.23629	-.17665	.09348
.000	.01446	.01835	.00905	.23029	-.09732	.06918
2.000	.01466	.01814	.00900	.22483	-.01887	.04323
4.000	.01477	.01794	.00890	.22034	.06729	.00989
GRADIENT	.00009	-.00007	-.00002	-.00287	.04056	-.01349

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00842	.01073	.00521	.26942	-.41622	.17483
-6.000	.00822	.01073	.00526	.25638	-.34097	.15309
-4.000	.00820	.01073	.00532	.24394	-.26168	.12720
-2.000	.00823	.01073	.00537	.23273	-.18086	.09993
.000	.00832	.01074	.00541	.22491	-.10883	.07876
2.000	.00859	.01073	.00536	.21715	-.03839	.05723
4.000	.00868	.01073	.00533	.21043	.03647	.03022
GRADIENT	.00007	.00000	.00000	-.00413	.03694	-.01183

LARC UPWT 1177(IA94B) OTSAT130 (IJW028) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02291	.03703	.01611	.27432	-.51232	.20922
-6.000	.02333	.03674	.01603	.26716	-.39498	.16655
-4.000	.02379	.03641	.01592	.26059	-.28025	.12561
-2.000	.02413	.03564	.01588	.25729	-.17940	.09238
.000	.02456	.03447	.01591	.25514	-.08887	.06556
2.000	.02472	.03371	.01590	.25103	.00050	.03617
4.000	.02433	.03283	.01574	.24810	.09661	.00022
GRADIENT	.00008	-.00045	-.00002	-.00156	.04668	-.01535

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01348	.01907	.00905	.25866	-.43631	.18029
-6.000	.01358	.01898	.00907	.24738	-.35025	.15237
-4.000	.01373	.01887	.00913	.23878	-.26367	.12232
-2.000	.01389	.01861	.00913	.23308	-.18218	.09694
.000	.01419	.01818	.00908	.22872	-.10370	.07342
2.000	.01439	.01783	.00900	.22360	-.02431	.04725
4.000	.01447	.01765	.00892	.21872	.05798	.01717
GRADIENT	.00010	-.00016	-.00003	-.00248	.04006	-.01300

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00769	.01098	.00559	.26308	-.41151	.17226
-6.000	.00774	.01101	.00559	.25047	-.33680	.15108
-4.000	.00790	.01087	.00557	.23923	-.25955	.12646
-2.000	.00803	.01086	.00558	.22925	-.18375	.10225
.000	.00819	.01086	.00564	.22054	-.11395	.08128
2.000	.00840	.01086	.00563	.21364	-.04262	.05909
4.000	.00853	.01086	.00556	.20774	.02946	.03508
GRADIENT	.00008	-.00000	.00000	-.00393	.03596	-.01130

LARC UPWT 1177(IA94B) OTSAT130 (IJW029) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02391	.03611	.01592	.27780	-.52049	.20988
-6.000	.02443	.03576	.01545	.27238	-.40276	.16719
-4.000	.02469	.03520	.01468	.26739	-.28874	.12717
-2.000	.02486	.03448	.01447	.26367	-.18400	.09066
.000	.02548	.03337	.01455	.25916	-.08985	.06158
2.000	.02611	.03279	.01465	.25274	.00353	.03103
4.000	.02619	.03233	.01464	.25064	.10265	-.00671
GRADIENT	.00021	-.00037	.00001	-.00222	.04852	-.01637

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01339	.01889	.00899	.26323	-.43805	.18083
-6.000	.01357	.01884	.00894	.25218	-.34866	.15062
-4.000	.01375	.01857	.00882	.24298	-.25902	.11926
-2.000	.01398	.01843	.00875	.23575	-.17757	.09324
.000	.01415	.01817	.00870	.22964	-.09908	.07007
2.000	.01442	.01817	.00865	.22398	-.02131	.04522
4.000	.01466	.01803	.00855	.21928	.06407	.01234
GRADIENT	.00011	-.00007	-.00003	-.00296	.04012	-.01309

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00788	.01088	.00540	.26617	-.41415	.17313
-6.000	.00790	.01075	.00543	.25373	-.33667	.15028
-4.000	.00796	.01074	.00546	.24202	-.25899	.12515
-2.000	.00805	.01073	.00543	.23190	-.18107	.09961
.000	.00818	.01085	.00548	.22319	-.10861	.07833
2.000	.00832	.01088	.00545	.21528	-.03975	.05769
4.000	.00852	.01077	.00543	.20853	.03428	.03198
GRADIENT	.00007	.00001	-.00000	-.00418	.03639	-.01141

LARC UPWT 1177(IA94B) OTSAT130 (IJW030) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02430	.03594	.01496	.28063	-.52472	.21130
-6.000	.02473	.03609	.01493	.27404	-.40709	.16847
-4.000	.02513	.03567	.01455	.26801	-.29425	.12918
-2.000	.02534	.03516	.01425	.26304	-.18653	.09207
.000	.02593	.03411	.01407	.25791	-.09169	.06158
2.000	.02651	.03280	.01408	.25244	.00257	.02919
4.000	.02672	.03263	.01399	.24985	.10685	-.01194
GRADIENT	.00022	-.00042	-.00007	-.00235	.04957	-.01726

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01351	.01864	.00858	.26724	-.44307	.18336
-6.000	.01352	.01884	.00858	.25634	-.35362	.15312
-4.000	.01366	.01877	.00856	.24723	-.26334	.12073
-2.000	.01398	.01852	.00850	.23867	-.17872	.09336
.000	.01433	.01827	.00840	.23137	-.09845	.06928
2.000	.01452	.01828	.00833	.22620	-.01787	.04209
4.000	.01457	.01825	.00825	.22166	.06838	.00770
GRADIENT	.00012	-.00006	-.00004	-.00318	.04121	-.01387

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00808	.01100	.00538	.26791	-.41857	.17675
-6.000	.00792	.01098	.00538	.25711	-.34148	.15274
-4.000	.00796	.01100	.00540	.24510	-.26326	.12728
-2.000	.00801	.01089	.00539	.23404	-.18293	.10054
.000	.00813	.01086	.00536	.22495	-.10764	.07700
2.000	.00837	.01099	.00536	.21624	-.03515	.05405
4.000	.00853	.01091	.00530	.21008	.03924	.02768
GRADIENT	.00008	-.00000	-.00001	-.00439	.03764	-.01228

LARC UPWT 1177(IA94B) OTSAT130 (IJW032) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02488	.03678	.01624	.27729	-.52958	.21882
-6.000	.02516	.03647	.01632	.27279	-.41170	.17506
-4.000	.02539	.03584	.01646	.26628	-.29632	.13428
-2.000	.02569	.03486	.01659	.26103	-.18987	.09810
.000	.02631	.03329	.01663	.25591	-.09696	.06738
2.000	.02647	.03253	.01656	.25244	-.00703	.03636
4.000	.02636	.03217	.01634	.25017	.09412	-.00297
GRADIENT	.00014	-.00048	-.00001	-.00204	.04819	-.01681

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01372	.01847	.00894	.26999	-.45890	.19146
-6.000	.01379	.01881	.00899	.25944	-.36929	.16064
-4.000	.01392	.01872	.00898	.24958	-.27699	.12727
-2.000	.01422	.01837	.00895	.24048	-.19254	.09982
.000	.01435	.01827	.00895	.23363	-.10973	.07407
2.000	.01464	.01806	.00886	.22855	-.02917	.04748
4.000	.01477	.01794	.00871	.22296	.05865	.01334
GRADIENT	.00011	-.00009	-.00003	-.00326	.04173	-.01401

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00785	.01036	.00521	.27335	-.44237	.18457
-6.000	.00782	.01034	.00521	.26196	-.36058	.15848
-4.000	.00788	.01042	.00522	.25085	-.27745	'3057
-2.000	.00803	.01049	.00522	.23994	-.19857	.10447
.000	.00820	.01037	.00517	.22899	-.12362	.08143
2.000	.00838	.01042	.00512	.21974	-.04917	.05830
4.000	.00848	.01040	.00509	.21314	.02644	.03126
GRADIENT	.00008	-.00001	-.00002	-.00478	.03786	-.01224

LARC UPWT 1177(IA94B) OTSAT130 (IJW033) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02422	.03477	.01652	.27819	-.53319	.22273
-6.000	.02431	.03541	.01654	.27150	-.40939	.17657
-4.000	.02471	.03532	.01664	.26435	-.29777	.13682
-2.000	.02497	.03466	.01664	.26044	-.19376	.10034
.000	.02571	.03343	.01662	.25622	-.10407	.07173
2.000	.02613	.03227	.01652	.25171	-.01175	.04145
4.000	.02589	.03182	.01636	.24940	.08803	.00328
GRADIENT	.00018	-.00047	-.00003	-.00193	.04768	-.01630

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01389	.01806	.00881	.26531	-.45713	.19218
-6.000	.01391	.01830	.00892	.25416	-.36641	.16062
-4.000	.01396	.01829	.00894	.24437	-.27585	.12831
-2.000	.01413	.01827	.00896	.23680	-.19256	.10151
.000	.01449	.01795	.00893	.23132	-.11377	.07782
2.000	.01475	.01775	.00881	.22636	-.03473	.05222
4.000	.01481	.01755	.00874	.22100	.05222	.01838
GRADIENT	.00012	-.00010	-.00003	-.00286	.04070	-.01346

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00814	.01033	.00504	.26930	-.43692	.18245
-6.000	.00800	.01037	.00512	.25724	-.35861	.15862
-4.000	.00803	.01024	.00519	.24414	-.28037	.13382
-2.000	.00806	.01030	.00517	.23271	-.20100	.10732
.000	.00821	.01038	.00519	.22434	-.12747	.08503
2.000	.00837	.01026	.00516	.21752	-.05406	.06234
4.000	.00842	.01021	.00512	.21076	.02172	.03565
GRADIENT	.00005	-.00001	-.00001	-.00410	.03756	-.01207

LARC UPWT 1177(IA94B) OTSAT130 (IJW034) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02287	.03662	.01606	.27345	-.53390	.21875
-6.000	.02327	.03655	.01604	.26625	-.41419	.17466
-4.000	.02384	.03628	.01596	.25924	-.29185	.13064
-2.000	.02419	.03550	.01593	.25572	-.19197	.09741
.000	.02460	.03452	.01596	.25396	-.10085	.07057
2.000	.02486	.03364	.01597	.25016	-.01099	.04180
4.000	.02469	.03336	.01594	.24559	.08422	.00658
GRADIENT	.00012	-.00039	.00000	-.00164	.04666	-.01519

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01351	.01811	.00885	.26089	-.45261	.18835
-6.000	.01358	.01823	.00890	.24943	-.36654	.16053
-4.000	.01362	.01826	.00892	.24063	-.27801	.12976
-2.000	.01394	.01783	.00895	.23417	-.19544	.10345
.000	.01414	.01757	.00891	.22950	-.11658	.07943
2.000	.01435	.01747	.00887	.22476	-.04023	.05581
4.000	.01435	.01725	.00877	.21984	.04373	.02532
GRADIENT	.00009	-.00012	-.00002	-.00255	.03993	-.01283

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00746	.01035	.00523	.26484	-.43137	.17853
-6.000	.00762	.01035	.00529	.25210	-.35357	.15492
-4.000	.00774	.01035	.00528	.24036	-.27772	.13167
-2.000	.00783	.01036	.00527	.23023	-.20217	.10824
.000	.00799	.01025	.00527	.22141	-.12619	.08377
2.000	.00814	.01021	.00528	.21469	-.05400	.06173
4.000	.00828	.01022	.00524	.20863	.01833	.03770
GRADIENT	.00007	-.00002	-.00000	-.00395	.03701	-.01172

LARC UPWT 1177(IA94B) OTSAT130 (IJW035) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02378	.03597	.01597	.27877	-.54369	.22289
-6.000	.02437	.03567	.01564	.27345	-.42198	.17770
-4.000	.02469	.03531	.01505	.26775	-.30927	.13781
-2.000	.02484	.03486	.01475	.26345	-.20196	.10044
.000	.02541	.03362	.01475	.25979	-.10681	.06988
2.000	.02615	.03287	.01480	.25371	-.01535	.04124
4.000	.02627	.03222	.01472	.25097	.08280	.00457
GRADIENT	.00022	-.00041	-.00003	-.00216	.04854	-.01628

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01365	.01776	.00874	.26529	-.45483	.18970
-6.000	.01357	.01804	.00875	.25435	-.36446	.15831
-4.000	.01364	.01809	.00875	.24439	-.27682	.12828
-2.000	.01385	.01798	.00870	.23663	-.19481	.10192
.000	.01404	.01788	.00865	.23040	-.11411	.07770
2.000	.01444	.01778	.00863	.22475	-.03812	.05426
4.000	.01465	.01766	.00850	.21965	.04724	.02142
GRADIENT	.00013	-.00005	-.00003	-.00307	.04024	-.01307

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00771	.01031	.00520	.26624	-.43743	.18208
-6.000	.00772	.01048	.00520	.25488	-.35695	.15685
-4.000	.00778	.01048	.00521	.24276	-.27650	.13085
-2.000	.00788	.01060	.00527	.23067	-.19907	.10586
.000	.00802	.01055	.00524	.22272	-.12666	.08463
2.000	.00816	.01040	.00522	.21557	-.05499	.06321
4.000	.00832	.01028	.00521	.20830	.01898	.03744
GRADIENT	.00007	-.00003	-.00000	-.00420	.03675	-.01147

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LARC UPWT 1177(IA94B) OTSAT130 (IJW036) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02434	.03518	.01479	.28281	-.54944	.22494
-6.000	.02462	.03573	.01491	.27583	-.42999	.18060
-4.000	.02510	.03554	.01463	.26941	-.31749	.14105
-2.000	.02545	.03506	.01421	.26452	-.20851	.10313
.000	.02595	.03422	.01407	.25947	-.10958	.07047
2.000	.02633	.03353	.01408	.25305	-.01403	.03823
4.000	.02669	.03286	.01402	.25015	.08484	.00032
GRADIENT	.00020	-.00034	-.00007	-.00250	.04996	-.01732

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01365	.01795	.00823	.26878	-.46034	.19238
-6.000	.01354	.01825	.00831	.25788	-.36979	.16154
-4.000	.01367	.01837	.00832	.24792	-.28002	.12960
-2.000	.01400	.01808	.00831	.23976	-.19529	.10200
.000	.01414	.01799	.00827	.23251	-.11503	.07756
2.000	.01434	.01789	.00823	.22720	-.03368	.05067
4.000	.01447	.01795	.00814	.22194	.05171	.01718
GRADIENT	.00010	-.00005	-.00002	-.00323	.04125	-.01381

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00767	.01051	.00507	.26784	-.43981	.18505
-6.000	.00784	.01039	.00507	.25695	-.36162	.16041
-4.000	.00792	.01029	.00504	.24588	-.28308	.13463
-2.000	.00848	.01013	.00497	.23435	-.20355	.10846
.000	.00815	.01039	.00504	.22467	-.12808	.08510
2.000	.00870	.00992	.00496	.21737	-.05345	.06136
4.000	.00847	.01003	.00505	.21047	.02069	.03663
GRADIENT	.00007	-.00004	.00000	-.00439	.03788	-.01215

LARC UPWT 1177(IA94B) OTSAT130 (IJW037) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01375	.01877	.00899	.26814	-.43256	.17776
-6.000	.01379	.01885	.00903	.25799	-.34228	.14656
-4.000	.01394	.01880	.00905	.24810	-.25210	.11437
-2.000	.01423	.01857	.00903	.23939	-.16882	.08800
.000	.01452	.01816	.00896	.23299	-.08700	.06273
2.000	.01471	.01784	.00886	.22827	-.00425	.03446
4.000	.01479	.01785	.00872	.22300	.08028	.00134
GRADIENT	.00011	-.00013	-.00004	-.00307	.04147	-.01398

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00787	.01068	.00529	.27219	-.41283	.16896
-6.000	.00786	.01068	.00534	.26042	-.33349	.14421
-4.000	.00796	.01079	.00538	.24946	-.25195	.11736
-2.000	.00801	.01082	.00533	.23872	-.17146	.09063
.000	.00810	.01070	.00535	.22801	-.09748	.06820
2.000	.00829	.01067	.00530	.21908	-.02483	.04586
4.000	.00843	.01068	.00523	.21282	.05186	.01795
GRADIENT	.00006	-.00002	-.00002	-.00465	.03771	-.01218

LARC UPWT 1177(IA94B) OTSAT130 (IJW038) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01373	.01846	.00890	.26325	-.43148	.17871
-6.000	.01380	.01854	.00897	.25259	-.34151	.14781
-4.000	.01393	.01854	.00901	.24303	-.25161	.11601
-2.000	.01411	.01850	.00904	.23571	-.16967	.09003
.000	.01435	.01829	.00902	.23067	-.09001	.06576
2.000	.01463	.01809	.00896	.22538	-.01033	.03927
4.000	.01474	.01789	.00882	.22053	.07562	.00537
GRADIENT	.00011	-.00009	-.00002	-.00277	.04069	-.01360

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00812	.01066	.00522	.26769	-.41083	.16927
-6.000	.00803	.01067	.00525	.25548	-.33229	.14489
-4.000	.00804	.01068	.00527	.24255	-.25288	.11943
-2.000	.00813	.01068	.00535	.23169	-.17626	.09483
.000	.00819	.01067	.00531	.22396	-.10389	.07343
2.000	.00843	.01067	.00531	.21705	-.02969	.05003
4.000	.00853	.01067	.00523	.21022	.04616	.02271
GRADIENT	.00006	-.00000	-.00001	-.00397	.03723	-.01191

LARC UPWT 1177(IA94B) OTSAT130 (IJW039) (13 AUG 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELV-LI =	.000
ELV-LO =	4.000	ELV-RI =	.000
ELV-RO =	4.000		

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01373	.01772	.00893	.25820	-.42778	.17591
-6.000	.01366	.01813	.00898	.24728	-.34108	.14760
-4.000	.01374	.01825	.00906	.23837	-.25473	.11800
-2.000	.01396	.01804	.00906	.23242	-.17311	.09230
.000	.01418	.01787	.00910	.22852	-.09458	.06879
2.000	.01447	.01701	.00871	.22490	-.01462	.04291
4.000	.01434	.01774	.00904	.21864	.06760	.01301
GRADIENT	.00009	-.00010	-.00002	-.00235	.04016	-.01297

RN/L = 2.00. GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00779	.01012	.00519	.26203	-.40134	.16158
-6.000	.00779	.01027	.00527	.24956	-.32621	.14052
-4.000	.00783	.01027	.00530	.23802	-.24780	.11606
-2.000	.00794	.01038	.00535	.22809	-.17386	.09285
.000	.00806	.01041	.00533	.21952	-.10031	.07005
2.000	.00820	.01039	.00533	.21342	-.02828	.04813
4.000	.00835	.01051	.00531	.20731	.04450	.02330
GRADIENT	.00006	.00002	.00000	-.00381	.03651	-.01151

LARC UPWT 1177(1A94B) OTSAT130 (1JN040) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01339	.01872	.00892	.26313	-.43048	.17712
-6.000	.01354	.01872	.00887	.25254	-.34033	.14598
-4.000	.01369	.01850	.00878	.24306	-.25348	.11607
-2.000	.01398	.01826	.00868	.23588	-.17111	.09000
.000	.01425	.01801	.00860	.22987	-.09179	.06640
2.000	.01446	.01802	.00855	.22463	-.01309	.04073
4.000	.01468	.01802	.00843	.21971	.07180	.00778
GRADIENT	.00012	-.00006	-.00004	-.00290	.04043	-.01329

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00765	.01080	.00530	.26565	-.41096	.16868
-6.000	.00769	.01080	.00533	.25367	-.33314	.14515
-4.000	.00774	.01081	.00531	.24193	-.25303	.11875
-2.000	.00790	.01080	.00533	.23125	-.17683	.09457
.000	.00802	.01081	.00533	.22255	-.10717	.07523
2.000	.00818	.01071	.00533	.21505	-.03352	.05208
4.000	.00834	.01067	.00531	.20855	.04187	.02535
GRADIENT	.00007	-.00002	.00000	-.00415	.03666	-.01147

LARC UPWT 1177(IA94B) OTSAT130 (IJW041) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01363	.01823	.00838	.26698	-.43483	.17901
-6.000	.01352	.01848	.00844	.25650	-.34485	.14816
-4.000	.01367	.01856	.00844	.24700	-.25585	.11642
-2.000	.01392	.01843	.00840	.23876	-.17200	.08949
.000	.01411	.01831	.00837	.23198	-.09232	.06611
2.000	.01440	.01823	.00830	.22667	-.00936	.03761
4.000	.01458	.01820	.00815	.22197	.07699	.00325
GRADIENT	.00012	-.00005	-.00003	-.00311	.04142	-.01391

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00766	.01094	.00531	.26728	-.41770	.17368
-6.000	.00763	.01095	.00528	.25590	-.33602	.14718
-4.000	.00771	.01094	.00530	.24418	-.25771	.12151
-2.000	.00784	.01106	.00529	.23318	-.17909	.09574
.000	.00797	.01098	.00526	.22400	-.10421	.07335
2.000	.00822	.01084	.00522	.21636	-.03161	.05014
4.000	.00839	.01081	.00518	.21002	.04423	.02259
GRADIENT	.00009	-.00002	-.00002	-.00426	.03757	-.01217

LARC UPWT 1177(IA94B) OTSAT130 (IJW042) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02486	.03726	.01626	.27636	-.49901	.20200
-6.000	.02515	.03638	.01644	.27150	-.38371	.15850
-4.000	.02537	.03497	.01672	.26697	-.27621	.12117
-2.000	.02565	.03374	.01672	.26192	-.16705	.08488
.000	.02621	.03212	.01667	.25651	-.07324	.05490
2.000	.02629	.03164	.01646	.25293	.01744	.02269
4.000	.02598	.03161	.01612	.25043	.12328	-.01984
GRADIENT	.00009	-.00044	-.00007	-.00210	.04917	-.01721

LARC UPWT 1177(IA94B) OTSAT130 (IJW043) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02418	.03564	.01653	.27530	-.50380	.20531
-6.000	.02436	.03595	.01659	.27020	-.38483	.16059
-4.000	.02460	.03532	.01664	.26472	-.27218	.12140
-2.000	.02495	.03430	.01662	.26033	-.17205	.08747
.000	.02564	.03295	.01656	.25601	-.07733	.05834
2.000	.02585	.03172	.01640	.25167	.01304	.02767
4.000	.02550	.03141	.01621	.24950	.11335	-.01149
GRADIENT	.00013	-.00052	-.00005	-.00196	.04781	-.01628

LARC UPWT 1177(IA94B) OTSAT130 (IJW044) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02284	.03685	.01613	.27175	-.50146	.20122
-6.000	.02330	.03658	.01602	.26568	-.38143	.15593
-4.000	.02375	.03608	.01589	.26054	-.27045	.11756
-2.000	.02396	.03510	.01587	.25670	-.17047	.08600
.000	.02425	.03384	.01588	.25489	-.08016	.06015
2.000	.02445	.03322	.01586	.25034	.01185	.03003
4.000	.02454	.03251	.01577	.24556	.10711	-.00532
GRADIENT	.00010	-.00045	-.00001	-.00182	.04687	-.01509

LARC UPWT 1177(IA94B) OTSAT130 (IJW045) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02390	.03523	.01550	.27849	-.51176	.20490
-6.000	.02438	.03550	.01541	.27295	-.39497	.16119
-4.000	.02457	.03521	.01493	.26781	-.28205	.12244
-2.000	.02475	.03436	.01453	.26356	-.17707	.08709
.000	.02531	.03319	.01467	.25931	-.08302	.05821
2.000	.02589	.03244	.01466	.25364	.00880	.02829
4.000	.02610	.03192	.01458	.25143	.10876	-.00980
GRADIENT	.00021	-.00042	-.00003	-.00213	.04838	-.01616

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (IJW046) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02425	.03644	.01495	.27993	-.51991	.20838
-6.000	.02473	.03629	.01496	.27424	-.40257	.16445
-4.000	.02516	.03550	.01443	.26918	-.28759	.12457
-2.000	.02538	.03488	.01408	.26431	-.18284	.08951
.000	.02589	.03352	.01394	.25926	-.08676	.05893
2.000	.02636	.03231	.01400	.25368	.01018	.02555
4.000	.02667	.03218	.01382	.25040	.11431	-.01605
GRADIENT	.00020	-.00046	-.00006	-.00241	.04984	-.01726

LARC UPWT 1177(IA94B) OTSAT130 (IJW047) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02487	.03680	.01621	.27773	-.51257	.21290
-6.000	.02512	.03636	.01630	.27248	-.39189	.16795
-4.000	.02534	.03563	.01647	.26682	-.28105	.12997
-2.000	.02567	.03444	.01655	.26178	-.17736	.09506
.000	.02630	.03222	.01657	.25742	-.08183	.06422
2.000	.02640	.03191	.01647	.25307	.00906	.03211
4.000	.02612	.03174	.01610	.25088	.11228	-.00877
GRADIENT	.00012	-.00052	-.00004	-.00203	.04865	-.01702

LARC UPWT 1177(IA94B) OTSAT130 (IJW048) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-6.000	.02418	.03529	.01652	.27747	-.51312	.21638
-6.000	.02439	.03552	.01663	.27205	-.39311	.17147
-4.000	.02471	.03490	.01680	.26627	-.28707	.13456
-2.000	.02502	.03392	.01671	.26131	-.18291	.09879
.000	.02590	.03217	.01662	.25698	-.08964	.06990
2.000	.02642	.03180	.01663	.25101	-.00787	.04329
4.000	.02562	.03118	.01613	.25136	.10207	-.00009
GRADIENT	.00016	-.00048	-.00007	-.00201	.04767	-.01624

LARC UPWT 1177(IA94B) OTSAT130 (IJW049) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02286	.03676	.01607	.27332	-.51445	.21212
-6.000	.02329	.03650	.01599	.26704	-.39492	.16714
-4.000	.02375	.03606	.01590	.26093	-.28168	.12728
-2.000	.02409	.03537	.01594	.25711	-.17652	.09325
.000	.02441	.03432	.01595	.25464	-.08757	.06739
2.000	.02462	.03354	.01594	.25038	.00474	.03744
4.000	.02449	.03297	.01587	.24634	.09763	.00234
GRADIENT	.00010	-.00040	-.00000	-.00180	.04699	-.01528

(IJW050) (13 AUG 76)

LARC UPWT 1177(IA94B) OTSAT130

REFERENCE DATA

SREF	= 2690.0000 SQ.FT.	XMRP	= 976.0000 IN. XT		
LREF	= 1290.3000 INCHES	YMRP	= .0000 IN. YT		
BREF	= 1290.3000 INCHES	ZMRP	= 400.0000 IN. ZT		
SCALE	= .0100				

PARAMETRIC DATA

BETA	= 4.000	ELV-LI	= .000
ELV-LO	= -10.000	ELV-RI	= .000
ELV-RO	= -10.000		

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02390	.03610	.01598	.27879	-.52660	.21846
-6.000	.02437	.03582	.01573	.27419	-.40910	.17432
-4.000	.02458	.03538	.01524	.26853	-.29403	.13482
-2.000	.02479	.03470	.01489	.26475	-.19098	.10022
.000	.02538	.03321	.01482	.26102	-.09482	.07012
2.000	.02613	.03225	.01480	.25504	-.00277	.04007
4.000	.02616	.03202	.01472	.25279	.09512	.00314
GRADIENT	.00022	-.00046	-.00006	-.00206	.04833	-.01617

(IJW051) (13 AUG 76)

LARC UPWT 1177(IA94B) OTSAT130

REFERENCE DATA

SREF	= 2690.0000 SQ.FT.	XMRP	= 976.0000 IN. XT		
LREF	= 1290.3000 INCHES	YMRP	= .0000 IN. YT		
BREF	= 1290.3000 INCHES	ZMRP	= 400.0000 IN. ZT		
SCALE	= .0100				

PARAMETRIC DATA

BETA	= 6.000	ELV-LI	= .000
ELV-LO	= -10.000	ELV-RI	= .000
ELV-RO	= -10.000		

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02441	.03667	.01529	.28043	-.53802	.22354
-6.000	.02466	.03610	.01501	.27676	-.41402	.17662
-4.000	.02519	.03576	.01467	.27057	-.30435	.13906
-2.000	.02568	.03491	.01441	.26429	-.20364	.10543
.000	.02603	.03224	.01407	.26198	-.09983	.07135
2.000	.02641	.03229	.01409	.25501	-.00572	.03910
4.000	.02667	.03208	.01401	.25242	.09964	-.00268
GRADIENT	.00018	-.00050	-.00008	-.00228	.05029	-.01749

LARC UPWT 1177(IA94B) OTSAT130 (IJW052) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02566	.03489	.01672	.28317	-.49793	.20048
-6.000	.02611	.03429	.01687	.27752	-.38194	.15746
-4.000	.02654	.03315	.01708	.27178	-.27006	.11868
-2.000	.02691	.03211	.01714	.26611	-.16436	.08316
.000	.02742	.03023	.01713	.26138	-.07045	.05269
2.000	.02752	.02907	.01700	.25797	.02374	.01930
4.000	.02755	.02858	.01676	.25551	.12538	-.02099
GRADIENT	.00013	-.00061	-.00004	-.00203	.04895	-.01716

LARC UPWT 1177(IA94B) OTSAT130 (IJW053) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02522	.03440	.01686	.28159	-.50165	.20447
-6.000	.02563	.03377	.01700	.27638	-.38403	.16063
-4.000	.02604	.03245	.01728	.27028	-.27169	.12183
-2.000	.02633	.03144	.01719	.26577	-.16840	.08631
.000	.02694	.02964	.01712	.26225	-.07650	.05708
2.000	.02713	.02879	.01701	.25688	.01813	.02526
4.000	.02715	.02849	.01680	.25532	.11305	-.01131
GRADIENT	.00015	-.00053	-.00006	-.00194	.04780	-.01637

LARC UPWT 1177(IA94B) OTSAT130 (IJW054) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02386	.03383	.01659	.27972	-.49806	.19945
-6.000	.02426	.03354	.01655	.27265	-.38057	.15578
-4.000	.02491	.03292	.01647	.26583	-.26876	.11600
-2.000	.02534	.03197	.01640	.26177	-.16358	.08156
.000	.02575	.03086	.01636	.25986	-.07235	.05378
2.000	.02623	.02967	.01629	.25587	.01902	.02416
4.000	.02601	.02932	.01614	.25211	.11414	-.01057
GRADIENT	.00016	-.00048	-.00004	-.00167	.04742	-.01553

LARC UPWT 1177(IA94B) OTSAT130 (IJW055) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02484	.03374	.01621	.28384	-.51057	.20401
-6.000	.02511	.03318	.01586	.27888	-.39016	.15957
-4.000	.02541	.03240	.01519	.27374	-.27736	.12033
-2.000	.02585	.03160	.01507	.26950	-.17591	.08595
.000	.02651	.03016	.01503	.26525	-.08235	.05711
2.000	.02685	.02912	.01502	.25937	.01274	.02467
4.000	.02714	.02914	.01494	.25655	.10962	-.01143
GRADIENT	.00022	-.00045	-.00003	-.00223	.04813	-.01624

LARC UPWT 1177(IA94B) OTSAT130 (IJW056) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02509	.03433	.01539	.28656	-.51840	.20761
-6.000	.02547	.03390	.01522	.28077	-.39967	.16341
-4.000	.02583	.03283	.01476	.27563	-.28683	.12415
-2.000	.02607	.03226	.01459	.27015	-.18220	.08864
.000	.02654	.03085	.01441	.26448	-.08561	.05710
2.000	.02700	.02952	.01434	.25890	.01143	.02343
4.000	.02721	.02914	.01415	.25630	.11378	-.01685
GRADIENT	.00018	-.00051	-.00007	-.00250	.04974	-.01736

LARC UPWT 1177(IA94B) OTSAT130 (IJW057) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02584	.03514	.01675	.28107	-.49557	.19630
-6.000	.02623	.03480	.01686	.27491	-.37729	.15284
-4.000	.02674	.03357	.01706	.26864	-.26275	.11288
-2.000	.02715	.03244	.01717	.26364	-.16044	.07777
.000	.02755	.03097	.01717	.25858	-.06985	.04849
2.000	.02774	.02960	.01708	.25544	.02530	.01514
4.000	.02772	.02890	.01684	.25387	.12361	-.02348
GRADIENT	.00013	-.00061	-.00003	-.00189	.04792	-.01677

LARC UPWT 1177(IA94B) OTSAT130 (1JW057) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01433	.01858	.00905	.26949	-.43220	.17535
-6.000	.01439	.01874	.00906	.25902	-.34204	.14461
-4.000	.01457	.01868	.00907	.24896	-.25071	.11212
-2.000	.01481	.01846	.00908	.24030	-.16848	.08605
.000	.01501	.01816	.00903	.23348	-.08682	.06094
2.000	.01529	.01786	.00892	.22858	-.00463	.03305
4.000	.01534	.01775	.00879	.22368	.08233	-.00065
GRADIENT	.00010	-.00012	-.00004	-.00311	.04150	-.01393

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00849	.01105	.00542	.27152	-.41501	.16897
-6.000	.00850	.01105	.00541	.25943	-.33653	.14517
-4.000	.00855	.01104	.00544	.24775	-.25297	.11697
-2.000	.00863	.01116	.00542	.23667	-.17361	.09070
.000	.00872	.01107	.00545	.22597	-.09970	.06829
2.000	.00886	.01104	.00539	.21737	-.02700	.04633
4.000	.00900	.01105	.00532	.21101	.04987	.01842
GRADIENT	.00006	-.00001	-.00001	-.00464	.03762	-.01207

LARC UPWT 1177(IA94B) OTSAT130 (IJW058) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02549	.03353	.01696	.28027	-.49807	.19944
-6.000	.02589	.03372	.01701	.27381	-.37681	.15468
-4.000	.02623	.03316	.01712	.26711	-.26581	.11561
-2.000	.02653	.03220	.01713	.26278	-.16439	.08069
.000	.02711	.03035	.01711	.25881	-.06901	.05067
2.000	.02735	.02934	.01704	.25459	.02010	.02103
4.000	.02737	.02884	.01684	.25305	.11562	-.01605
GRADIENT	.00016	-.00058	-.00003	-.00182	.04737	-.01615

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01446	.01828	.00892	.26438	-.43051	.17639
-6.000	.01444	.01848	.00902	.25342	-.34027	.14550
-4.000	.01457	.01848	.00907	.24388	-.25372	.11569
-2.000	.01475	.01830	.00907	.23656	-.17004	.08879
.000	.01501	.01812	.00903	.23100	-.09069	.06462
2.000	.01529	.01761	.00893	.22630	-.01083	.03831
4.000	.01535	.01734	.00886	.22147	.07512	.00436
GRADIENT	.00011	-.00015	-.00003	-.00275	.04084	-.01366

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00864	.01105	.00531	.26723	-.41325	.16965
-6.000	.00858	.01105	.00534	.25501	-.33695	.14747
-4.000	.00859	.01106	.00536	.24151	-.25606	.12059
-2.000	.00868	.01104	.00539	.22990	-.17911	.09589
.000	.00879	.01106	.00540	.22224	-.10430	.07292
2.000	.00892	.01093	.00538	.21559	-.03338	.05115
4.000	.00903	.01100	.00533	.20874	.04293	.02406
GRADIENT	.00006	-.00001	-.00000	-.00399	.03719	-.01189

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LARC UPWT 1177(IA94B) OTSAT130 (1JW059) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = .2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02402	.03402	.01660	.27779	-.49615	.19604
-6.000	.02444	.03368	.01656	.27063	-.37897	.15303
-4.000	.02506	.03326	.01650	.26344	-.26443	.11181
-2.000	.02545	.03255	.01645	.25994	-.16255	.07809
.000	.02603	.03109	.01641	.25800	-.07279	.05115
2.000	.02641	.03009	.01635	.25440	.01974	.02135
4.000	.02624	.02961	.01623	.25052	.11241	-.01276
GRADIENT	.00017	-.00049	-.00003	-.00157	.04680	-.01529

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01415	.01878	.00895	.25855	-.42690	.17256
-6.000	.01424	.01831	.00900	.24710	-.34161	.14498
-4.000	.01432	.01873	.00901	.23844	-.25441	.11500
-2.000	.01455	.01848	.00903	.23241	-.17104	.08880
.000	.01486	.01778	.00900	.22829	-.09350	.06613
2.000	.01499	.01744	.00898	.22375	-.01571	.04105
4.000	.01499	.01701	.00891	.21877	.06706	.01088
GRADIENT	.00009	-.00022	-.00001	-.00240	.03991	-.01280

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00811	.01104	.00545	.26074	-.40376	.16171
-6.000	.00825	.01117	.00547	.24782	-.32728	.13978
-4.000	.00838	.01120	.00550	.23584	-.25056	.11631
-2.000	.00855	.01107	.00550	.22575	-.17635	.09335
.000	.00867	.01104	.00548	.21754	-.10236	.07021
2.000	.00882	.01106	.00548	.21126	-.03195	.04922
4.000	.00896	.01095	.00544	.20523	.04085	.02475
GRADIENT	.00007	-.00003	-.00001	-.00379	.03636	-.01136

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02509	.03308	.01621	.28282	-.50648	.19902
-6.000	.02538	.03306	.01580	.27706	-.38519	.15468
-4.000	.02564	.03251	.01509	.27187	-.27333	.11520
-2.000	.02599	.03212	.01508	.26707	-.17140	.08016
.000	.02669	.03086	.01506	.26284	-.07539	.05012
2.000	.02705	.02983	.01507	.25721	.01885	.01869
4.000	.02726	.02932	.01504	.25490	.11527	-.01709
GRADIENT	.00022	-.00043	-.00000	-.00219	.04837	-.01630

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01411	.01859	.00901	.26430	-.43008	.17515
-6.000	.01418	.01863	.00901	.25319	-.34076	.14483
-4.000	.01433	.01849	.00900	.24369	-.25436	.11541
-2.000	.01457	.01826	.00896	.23618	-.17310	.08991
.000	.01479	.01797	.00893	.22994	-.09369	.06614
2.000	.01498	.01777	.00888	.22454	-.01477	.04095
4.000	.01516	.01754	.00877	.22010	.07184	.00690
GRADIENT	.00010	-.00012	-.00003	-.00294	.04054	-.01330

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00841	.01119	.00542	.26468	-.41320	.16937
-6.000	.00834	.01119	.00545	.25247	-.33484	.14527
-4.000	.00841	.01119	.00545	.24083	-.25519	.11931
-2.000	.00849	.01118	.00547	.22949	-.17879	.09500
.000	.00858	.01121	.00548	.22097	-.10730	.07450
2.000	.00881	.01097	.00547	.21378	-.03632	.05288
4.000	.00895	.01091	.00548	.20705	.03788	.02721
GRADIENT	.00007	-.00004	.00000	-.00416	.03643	-.01132

LARC UPWT 1177(IA94B) OTSAT130 (IJW061) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02532	.03434	.01542	.28424	-.51245	.20144
-6.000	.02569	.03418	.01532	.27785	-.39436	.15811
-4.000	.02605	.03328	.01491	.27231	-.28117	.11847
-2.000	.02635	.03214	.01450	.26803	-.17534	.08186
.000	.02678	.03119	.01445	.26236	-.07805	.05024
2.000	.02727	.02985	.01442	.25715	.01746	.01776
4.000	.02738	.02940	.01426	.25432	.11861	-.02171
GRADIENT	.00018	-.00050	-.00007	-.00234	.04962	-.01722

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01414	.01827	.00880	.26824	-.43619	.17797
-6.000	.01415	.01850	.00882	.25716	-.34546	.14716
-4.000	.01428	.01853	.00883	.24747	-.25557	.11523
-2.000	.01453	.01835	.00879	.23888	-.17296	.08902
.000	.01475	.01797	.00871	.23181	-.09298	.06497
2.000	.01497	.01780	.00865	.22670	-.01086	.03732
4.000	.01508	.01777	.00855	.22226	.07489	.00365
GRADIENT	.00010	-.00010	-.00003	-.00313	.04115	-.01374

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00856	.01106	.00550	.26742	-.41713	.17307
-6.000	.00848	.01107	.00547	.25480	-.33911	.14836
-4.000	.00846	.01106	.00550	.24334	-.25974	.12185
-2.000	.00852	.01118	.00548	.23219	-.18247	.09715
.000	.00863	.01110	.00550	.22251	-.10803	.07500
2.000	.00883	.01105	.00548	.21473	-.03379	.05063
4.000	.00897	.01105	.00544	.20839	.04092	.02432
GRADIENT	.00007	-.00001	-.00001	-.00437	.03750	-.01208

LARC UPWT 1177(IA94B) OTSAT130 (IJW062) (13 AUG 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	-6.000	ELV-LI =	12.000
ELV-LO =	.000	ELV-RI =	12.000
ELV-RO =	.000		

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01441	.01879	.00912	.26954	-.43338	.17768
-6.000	.01453	.01899	.00919	.25899	-.34444	.14731
-4.000	.01475	.01885	.00921	.24918	-.25462	.11535
-2.000	.01495	.01836	.00914	.24132	-.17333	.09070
.000	.01524	.01806	.00911	.23459	-.09092	.06529
2.000	.01542	.01794	.00902	.22916	-.00933	.03773
4.000	.01538	.01768	.00882	.22484	.07684	.00444
GRADIENT	.00009	-.00014	-.00005	-.00304	.04135	-.01374

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00857	.01110	.00546	.27414	-.42435	.17496
-6.000	.00860	.01112	.00547	.26137	-.34514	.15107
-4.000	.00860	.01112	.00547	.25078	-.26356	.12341
-2.000	.00869	.01122	.00548	.23952	-.18280	.09635
.000	.00887	.01127	.00544	.22892	-.10862	.07393
2.000	.00908	.01103	.00537	.22036	-.03630	.05229
4.000	.00919	.01107	.00531	.21373	.04052	.02447
GRADIENT	.00008	-.00002	-.00002	-.00466	.03773	-.01210

LARC UPWT 1177(1A94B) OTSAT130 (IJW063) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01476	.01812	.00897	.26520	-.43794	.18186
-6.000	.01462	.01844	.00906	.25404	-.34844	.15133
-4.000	.01467	.01845	.00912	.24470	-.25938	.12057
-2.000	.01490	.01837	.00913	.23765	-.17740	.09489
.000	.01518	.01818	.00907	.23209	-.09546	.06936
2.000	.01532	.01766	.00895	.22778	-.01476	.04281
4.000	.01538	.01739	.00886	.22260	.06925	.00988
GRADIENT	.00009	-.00014	-.00004	-.00270	.04099	-.01367

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00876	.01097	.00521	.27039	-.42336	.17615
-6.000	.00872	.01111	.00529	.25712	-.34577	.15335
-4.000	.00871	.01112	.00534	.24337	-.26470	.12644
-2.000	.00874	.01112	.00538	.23267	-.18802	.10127
.000	.00886	.01111	.00535	.22482	-.11345	.07922
2.000	.00900	.01112	.00540	.21807	-.04225	.05698
4.000	.00910	.01112	.00535	.21139	.03278	.03059
GRADIENT	.00005	-.00000	.00000	-.00393	.03704	-.01180

LARC UPWT 1177(IA94B) OTSAT130 (IJW064) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01420	.01937	.00923	.25792	-.42782	.17386
-6.000	.01427	.01925	.00923	.24688	-.34101	.14545
-4.000	.01434	.01901	.00924	.23849	-.25481	.11646
-2.000	.01468	.01849	.00925	.23259	-.17328	.09127
.000	.01503	.01773	.00918	.22861	-.09536	.06862
2.000	.01515	.01728	.00910	.22436	-.01781	.04432
4.000	.01510	.01687	.00902	.21914	.06569	.01338
GRADIENT	.00010	-.00027	-.00003	-.00232	.03964	-.01266

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00818	.01097	.00545	.26348	-.41306	.16854
-6.000	.00823	.01112	.00548	.25081	-.33602	.14655
-4.000	.00834	.01100	.00548	.23894	-.26058	.12303
-2.000	.00845	.01111	.00551	.22889	-.18669	.10018
.000	.00865	.01101	.00551	.22097	-.11168	.07661
2.000	.00882	.01099	.00549	.21410	-.03945	.05461
4.000	.00894	.01089	.00546	.20819	.03385	.02968
GRADIENT	.00008	-.00002	-.00000	-.00381	.03680	-.01161

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LARC UPWT 1177(IA94B) OTSAT130 (IJW065) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01413	.01900	.00912	.26475	-.43574	.17966
-6.000	.01422	.01891	.00910	.25395	-.34777	.15057
-4.000	.01442	.01872	.00907	.24416	-.25979	.12057
-2.000	.01466	.01829	.00901	.23688	-.17844	.09481
.000	.01481	.01804	.00895	.23074	-.10022	.07210
2.000	.01504	.01794	.00892	.22592	-.02180	.04720
4.000	.01520	.01781	.00888	.22085	.06336	.01377
GRADIENT	.00010	-.00011	-.00002	-.00288	.04015	-.01306

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00835	.01127	.00554	.26698	-.42400	.17575
-6.000	.00842	.01126	.00553	.25503	-.34227	.14999
-4.000	.00844	.01138	.00558	.24320	-.26563	.12578
-2.000	.00865	.01129	.00559	.23216	-.18966	.10150
.000	.00873	.01115	.00559	.22357	-.11619	.08028
2.000	.00897	.01113	.00557	.21536	-.04651	.05855
4.000	.00910	.01113	.00558	.20873	.02832	.03307
GRADIENT	.00008	-.00003	-.00000	-.00429	.03660	-.01142

LARC UPWT 1177(IA94B) OTSAT130 (IJW066) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01419	.01854	.00888	.26914	-.44104	.18240
-6.000	.01424	.01877	.00890	.25831	-.35238	.15273
-4.000	.01439	.01874	.00888	.24861	-.26330	.12133
-2.000	.01464	.01840	.00884	.24022	-.18149	.09557
.000	.01484	.01815	.00879	.23273	-.10086	.07157
2.000	.01500	.01805	.00872	.22816	-.01899	.04398
4.000	.01512	.01792	.00866	.22343	.06710	.00938
GRADIENT	.00009	-.00010	-.00003	-.00312	.04117	-.01377

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00857	.01126	.00556	.26969	-.42962	.17931
-6.000	.00852	.01127	.00558	.25817	-.34857	.15357
-4.000	.00854	.01128	.00562	.24567	-.26935	.12786
-2.000	.00866	.01128	.00557	.23363	-.18989	.10218
.000	.00890	.01127	.00557	.22443	-.11661	.08033
2.000	.00903	.01127	.00552	.21688	-.04320	.05690
4.000	.00911	.01117	.00551	.21036	.03160	.03012
GRADIENT	.00007	-.00001	-.00001	-.00437	.03743	-.01204

LARC UPWT 1177(IA94B) OTSAT130 (IJW067) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01416	.01833	.00902	.27021	-.42111	.16959
-6.000	.01425	.01858	.00905	.25947	-.33168	.13912
-4.000	.01440	.01859	.00906	.24977	-.24456	.10873
-2.000	.01455	.01840	.00906	.24124	-.16247	.08337
.000	.01476	.01820	.00905	.23454	-.07981	.05780
2.000	.01508	.01798	.00897	.22931	.00111	.03022
4.000	.01510	.01764	.00879	.22468	.08849	-.00370
GRADIENT	.00010	-.00012	-.00003	-.00311	.04148	-.01390

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00828	.01083	.00538	.27417	-.40998	.16695
-6.000	.00826	.01082	.00541	.26260	-.33153	.14260
-4.000	.00828	.01082	.00541	.25145	-.25040	.11603
-2.000	.00842	.01092	.00541	.23980	-.17141	.08984
.000	.00852	.01095	.00539	.22915	-.09737	.06746
2.000	.00867	.01084	.00535	.22096	-.02479	.04558
4.000	.00876	.01072	.00526	.21477	.05216	.01789
GRADIENT	.00006	-.00001	-.00002	-.00461	.03759	-.01203

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01419	.01815	.00883	.26604	-.42349	.17271
-6.000	.01420	.01823	.00889	.25491	-.33412	.14235
-4.000	.01436	.01817	.00898	.24525	-.24543	.11182
-2.000	.01459	.01822	.00900	.23787	-.16350	.08622
.000	.01484	.01799	.00898	.23262	-.08503	.06242
2.000	.01507	.01776	.00893	.22751	-.00525	.03594
4.000	.01517	.01733	.00883	.22297	.08041	.00247
GRADIENT	.00011	-.00011	-.00002	-.00274	.04050	-.01345

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00841	.01081	.00525	.27100	-.40957	.16792
-6.000	.00837	.01081	.00528	.25809	-.33337	.14593
-4.000	.00833	.01082	.00528	.24458	-.25112	.11879
-2.000	.00845	.01070	.00531	.23347	-.17184	.09248
.000	.00846	.01066	.00531	.22593	-.09992	.07104
2.000	.00869	.01079	.00531	.21889	-.02961	.04970
4.000	.00875	.01082	.00527	.21178	.04713	.02233
GRADIENT	.00005	.00000	-.00000	-.00401	.03694	-.01179

LARC UPWT 1177(IA94B) OTSAT130 (IJW069) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01397	.01935	.00913	.25846	-.41774	.16737
-6.000	.01403	.01922	.00915	.24739	-.33115	.13939
-4.000	.01416	.01899	.00916	.23870	-.24496	.10987
-2.000	.01444	.01848	.00914	.23290	-.16505	.08555
.000	.01474	.01781	.00909	.22906	-.08679	.06272
2.000	.01483	.01745	.00904	.22457	-.00768	.03704
4.000	.01494	.01704	.00902	.21931	.07526	.00714
GRADIENT	.00010	-.00025	-.00002	-.00235	.03989	-.01270

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00789	.01056	.00537	.26408	-.40027	.16104
-6.000	.00799	.01054	.00536	.25170	-.32352	.13874
-4.000	.00815	.01068	.00541	.23923	-.24697	.11518
-2.000	.00825	.01057	.00542	.22954	-.17423	.09302
.000	.00842	.01065	.00544	.22116	-.10045	.06996
2.000	.00859	.01070	.00543	.21480	-.03000	.04902
4.000	.00868	.01058	.00538	.20904	.04423	.02367
GRADIENT	.00007	-.00000	-.00000	-.00376	.03633	-.01135

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (IJW070) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01395	.01863	.00899	.26562	-.42246	.17120
-6.000	.01403	.01867	.00899	.25472	-.33449	.14188
-4.000	.01413	.01852	.00899	.24503	-.24851	.11275
-2.000	.01428	.01831	.00896	.23735	-.16649	.08694
.000	.01451	.01811	.00890	.23151	-.08817	.06418
2.000	.01475	.01790	.00884	.22620	-.00947	.03857
4.000	.01496	.01769	.00878	.22152	.07568	.00526
GRADIENT	.00011	-.00010	-.00003	-.00291	.04027	-.01317

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00809	.01094	.00533	.26859	-.40977	.16769
-6.000	.00809	.01097	.00536	.25619	-.32947	.14250
-4.000	.00815	.01083	.00541	.24379	-.25108	.11760
-2.000	.00827	.01093	.00545	.23259	-.17543	.09374
.000	.00838	.01097	.00542	.22411	-.10536	.07401
2.000	.00856	.01086	.00544	.21703	-.03184	.05061
4.000	.00867	.01072	.00541	.21031	.04348	.02425
GRADIENT	.00007	-.00001	-.00000	-.00413	.03663	-.01149

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.01400	.01838	.00878	.26918	-.42779	.17395
-6.000	.01405	.01863	.00880	.25810	-.33972	.14460
-4.000	.01413	.01863	.00880	.24855	-.25120	.11332
-2.000	.01431	.01839	.00877	.24009	-.16736	.08676
.000	.01456	.01811	.00868	.23303	-.08807	.06326
2.000	.01483	.01791	.00857	.22814	-.00668	.03564
4.000	.01490	.01778	.00849	.22391	.08041	.00092
GRADIENT	.00010	-.00011	-.00004	-.00306	.04119	-.01380

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.00833	.01084	.00545	.27053	-.41273	.16993
-6.000	.00821	.01083	.00539	.25907	-.33410	.14543
-4.000	.00824	.01094	.00544	.24627	-.25491	.11985
-2.000	.00831	.01097	.00542	.23520	-.17574	.09351
.000	.00843	.01098	.00542	.22598	-.10393	.07246
2.000	.00864	.01087	.00538	.21808	-.03024	.04893
4.000	.00873	.01073	.00535	.21207	.04590	.02161
GRADIENT	.00007	-.00003	-.00001	-.00428	.03736	-.01205

LARC UPWT 1177(1A94B) OTSAT130 (1JW072) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02579	.03524	.01677	.28102	-.49025	.19109
-6.000	.02616	.03480	.01686	.27527	-.37411	.14882
-4.000	.02663	.03351	.01704	.26902	-.26084	.10916
-2.000	.02703	.03236	.01712	.26441	-.15740	.07403
.000	.02746	.03088	.01713	.25887	-.06126	.04300
2.000	.02760	.02963	.01704	.25542	.03314	.00996
4.000	.02757	.02886	.01680	.25385	.13101	-.02872
GRADIENT	.00012	-.00060	-.00003	-.00197	.04871	-.01699

LARC UPWT 1177(1A94B) OTSAT130 (1JW073) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02538	.03356	.01692	.28009	-.49158	.19411
-6.000	.02579	.03367	.01696	.27364	-.37177	.15010
-4.000	.02611	.03304	.01706	.26753	-.26027	.11062
-2.000	.02640	.03209	.01708	.26345	-.15807	.07540
.000	.02694	.03059	.01706	.25921	-.06627	.04661
2.000	.02725	.02913	.01696	.25480	.02624	.01620
4.000	.02718	.02878	.01680	.25332	.12238	-.02120
GRADIENT	.00015	-.00057	-.00003	-.00185	.04748	-.01614

LARC UPWT 1177(IA94B) OTSAT130 (IJW074) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02397	.03386	.01657	.27791	-.49329	.19215
-6.000	.02437	.03357	.01654	.27075	-.37556	.14930
-4.000	.02492	.03318	.01646	.26368	-.25960	.10737
-2.000	.02538	.03239	.01639	.26020	-.15871	.07364
.000	.02592	.03104	.01636	.25859	-.06887	.04732
2.000	.02627	.03007	.01630	.25522	.02154	.01845
4.000	.02608	.02934	.01609	.25127	.11701	-.01702
GRADIENT	.00016	-.00050	-.00004	-.00149	.04667	-.01520

LARC UPWT 1177(IA94B) OTSAT130 (IJW075) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02507	.03358	.01632	.28186	-.49939	.19327
-6.000	.02537	.03321	.01596	.27633	-.38101	.15045
-4.000	.02559	.03242	.01532	.27133	-.26909	.11106
-2.000	.02610	.03118	.01485	.26818	-.16529	.07512
.000	.02675	.03002	.01503	.26340	-.07086	.04570
2.000	.02706	.02907	.01503	.25749	.02241	.01499
4.000	.02719	.02918	.01492	.25534	.11908	-.02145
GRADIENT	.00021	-.00043	-.00003	-.00213	.04820	-.01626

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (IJW076) (13 AUG 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02532	.03469	.01548	.28367	-.50844	.19634
-6.000	.02578	.03367	.01514	.27831	-.39137	.15378
-4.000	.02610	.03260	.01450	.27361	-.27594	.11332
-2.000	.02635	.03181	.01430	.26882	-.16891	.07638
.000	.02686	.03028	.01430	.26320	-.07337	.04586
2.000	.02723	.02886	.01434	.25757	.02288	.01220
4.000	.02728	.02906	.01389	.25542	.12277	-.02646
GRADIENT	.00016	-.00050	-.00006	-.00238	.04946	-.01719

LARC UPWT 1177(IA94B) OTSAT130 (MJW001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11589	.03198	.26146	-.05426	7.57242	.02606	-9.45796
-6.000	-.11084	.03075	.27062	-.06141	7.56024	.02171	-9.47115
-4.000	-.10702	.03063	.26024	-.06782	7.54928	.01794	-9.48257
-2.000	-.10579	.03111	.25339	-.07567	7.53591	.01507	-9.49129
.000	-.10607	.03123	.24990	-.08501	7.51995	.01320	-9.49696
2.000	-.10769	.03185	.24980	-.08968	7.51189	.01018	-9.50610
4.000	-.10514	.03171	.24378	-.08403	7.52161	.00592	-9.51904
GRADIENT	.00009	.00014	-.00183	-.00232	-.00397	-.00145	-.00439

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DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJW002) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07708	.01991	.18672	-.04675	7.58523	.02648	-9.45667
-6.000	-.07264	.01913	.17741	-.05380	7.57310	.02159	-9.47143
-4.000	-.06874	.01926	.16850	-.06062	7.56122	.01776	-9.48294
-2.000	-.06847	.01992	.16426	-.06814	7.54828	.01507	-9.49110
.000	-.06773	.01972	.16090	-.07684	7.53340	.01328	-9.49657
2.000	-.06781	.02023	.15866	-.08027	7.52767	.00994	-9.50675
4.000	-.06741	.02033	.15706	-.07676	7.53352	.00575	-9.51948
GRADIENT	.00017	.00012	-.00142	-.00222	-.00380	-.00146	-.00444

LARC UPWT 1177(IA94B) OTSAT130 (MJW003) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00090	-.00018	.00018	-.02772	7.61765	.02423	-9.46342
-6.000	.00166	-.00025	-.00200	-.03397	7.60691	.01891	-9.47953
-4.000	.00252	-.00028	-.00389	-.04010	7.59645	.01385	-9.49490
-2.000	.00309	-.00041	-.00482	-.04433	7.58927	.01001	-9.50659
.000	.00320	-.00079	-.00588	-.04856	7.58202	.00756	-9.51404
2.000	.00267	-.00104	-.00582	-.05435	7.57214	.00494	-9.52199
4.000	.00160	-.00122	-.00362	-.05717	7.56735	.00048	-9.53553
GRADIENT	-.00011	-.00013	-.00002	-.00221	-.00377	-.00159	-.00483

DATE 29 OCT 76 TABULATED SOURCE DATA - 1A94B.

LARC UPWT 1177(1A94B) OTSAT130 (MJW004) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07537	-.01908	-.17920	-.00911	7.64943	.02637	-9.45686
-6.000	.07396	-.01878	-.17655	-.01326	7.64234	.02132	-9.47222
-4.000	.07184	-.01907	-.17119	-.01809	7.63408	.01612	-9.48804
-2.000	.07175	-.01998	-.16897	-.02279	7.62607	.01027	-9.50580
.000	.07201	-.02062	-.16777	-.02840	7.61646	.00431	-9.52392
2.000	.07188	-.02165	-.16745	-.03341	7.60794	.00077	-9.53468
4.000	.07011	-.02183	-.16262	-.03440	7.60632	-.00244	-9.54071
GRADIENT	-.00017	-.00036	.00093	-.00216	-.00368	-.00233	-.00671

LARC UPWT 1177(1A94B) OTSAT130 (MJW005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11481	-.03056	-.27285	-.00066	7.66387	.02747	-9.45353
-6.000	.11164	-.02969	-.26660	-.00375	7.65860	.02281	-9.46769
-4.000	.10851	-.02981	-.25894	-.00813	7.65111	.01772	-9.48313
-2.000	.10748	-.03076	-.25377	-.01306	7.64269	.01239	-9.49937
.000	.10705	-.03130	-.25052	-.01829	7.63373	.00668	-9.51669
2.000	.10713	-.03215	-.24927	-.02456	7.62303	.00068	-9.53493
4.000	.10536	-.03286	-.24616	-.02560	7.62127	-.00207	-9.54015
GRADIENT	-.00033	-.00038	.00150	-.00232	-.00397	-.00257	-.00748

LARC UPWT 1177(1A94B) OTSAT130 (MJW006) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11578	.03214	.28087	-.05338	7.57384	.00983	-4.69015
-6.000	-.11061	.03088	.26945	-.06046	7.56170	.00657	-4.70005
-4.000	-.10641	.03066	.25881	-.06720	7.55018	.00342	-4.70961
-2.000	-.10574	.03128	.25288	-.07570	7.53572	.00123	-4.71627
.000	-.10640	.03164	.25024	-.08524	7.51937	-.00005	-4.72008
2.000	-.10759	.03207	.24913	-.08936	7.51237	-.00265	-4.72403
4.000	-.10591	.03212	.24467	-.08440	7.52096	-.00760	-4.73152
GRADIENT	-.00004	.00019	-.00160	-.00240	-.00409	-.00130	-.00258

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10812	.02778	.25897	-.04480	7.60798	.01364	-4.68913
-6.000	-.10390	.02624	.24950	-.04506	7.60765	.01246	-4.69182
-4.000	-.09895	.02493	.23901	-.04762	7.60439	.01114	-4.69479
-2.000	-.09250	.02456	.22688	-.05062	7.60055	.00867	-4.70039
.000	-.08807	.02526	.21872	-.05255	7.59911	.00667	-4.70490
2.000	-.08515	.02580	.21293	-.05817	7.59097	.00463	-4.70952
4.000	-.08284	.02657	.20886	-.05868	7.59029	.00191	-4.71567
GRADIENT	.00198	.00023	-.00371	-.00148	-.00189	-.00112	-.00255

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09266	.02210	.23147	-.03127	7.63509	.01390	-4.69637
-6.000	-.08810	.02059	.22297	-.02935	7.63691	.01259	-4.69858
-4.000	-.08272	.01995	.21266	-.02748	7.63871	.01018	-4.70269
-2.000	-.07803	.01998	.20299	-.02745	7.63875	.00752	-4.70722
.000	-.07426	.02102	.19492	-.02984	7.63645	.00736	-4.70748
2.000	-.06933	.02248	.18650	-.03063	7.63569	.00640	-4.70912
4.000	-.06312	.02243	.17722	-.03220	7.63418	.00454	-4.71227
GRADIENT	.00240	.00037	-.00437	-.00063	-.00061	-.00062	-.00105

LARC UPWT 1177(IA94B) OTSAT130 (MJWQ07) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07722	.02037	.18670	-.04654	7.58553	.01085	-4.68707
-6.000	-.07317	.01971	.17806	-.05368	7.57331	.00711	-4.69842
-4.000	-.06861	.01957	.16758	-.06036	7.56189	.00407	-4.70764
-2.000	-.06800	.01997	.16323	-.06819	7.54857	.00189	-4.71426
.000	-.06845	.02033	.16242	-.07676	7.53388	.00073	-4.71779
2.000	-.06816	.02066	.15943	-.08015	7.52808	-.00237	-4.72360
4.000	-.06792	.02069	.15736	-.07650	7.53429	-.00704	-4.73069
GRADIENT	.00006	.00015	-.00121	-.00221	-.00378	-.00132	-.00277

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07192	.01784	.17125	-.02949	7.62745	.01360	-4.68923
-6.000	-.06956	.01666	.16536	-.03066	7.62597	.01211	-4.69258
-4.000	-.06586	.01608	.15737	-.03389	7.62186	.01055	-4.69613
-2.000	-.06167	.01611	.14910	-.03842	7.61609	.00845	-4.70087
.000	-.05814	.01645	.14275	-.04182	7.61176	.00667	-4.70491
2.000	-.05351	.01654	.13592	-.04912	7.60245	.00483	-4.70905
4.000	-.04914	.01666	.13085	-.04864	7.60309	.00227	-4.71486
GRADIENT	.00208	.00008	-.00331	-.00201	-.00256	-.00101	-.00228

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05879	.01374	.14859	-.02727	7.63892	.01283	-4.69817
-6.000	-.05597	.01268	.14297	-.02576	7.64035	.01189	-4.69977
-4.000	-.05279	.01220	.13616	-.02429	7.64176	.01036	-4.70237
-2.000	-.04913	.01230	.12958	-.02452	7.64153	.00903	-4.70463
.000	-.04673	.01275	.12435	-.02355	7.64246	.00774	-4.70683
2.000	-.04157	.01322	.11686	-.02528	7.64082	.00633	-4.70923
4.000	-.03657	.01375	.10997	-.02674	7.63941	.00487	-4.71171
GRADIENT	.00200	.00020	-.00325	-.00028	-.00027	-.00068	-.00116

DATE 29 OCT 76 TABULATED SOURCE DATA - 1A94B.

LARC UPWT 1177(1A94B) OTSAT130 (MJW008) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00035	.00019	.00279	-.02728	7.61860	.00956	-4.69109
-6.000	.00044	.00014	-.00021	-.03347	7.60810	.00535	-4.70383
-4.000	.00098	.00026	-.00128	-.03972	7.59746	.00142	-4.71570
-2.000	.00191	.00007	-.00286	-.04416	7.58999	-.00137	-4.72207
.000	.00230	-.00040	-.00411	-.04859	7.58240	-.00304	-4.72459
2.000	.00154	-.00067	-.00308	-.05491	7.57109	-.00563	-4.72857
4.000	.00115	-.00092	-.00293	-.05688	7.56783	-.01014	-4.73540
GRADIENT	-.00000	-.00016	-.00018	-.00225	-.00391	-.00137	-.00230

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00185	.00142	.00544	-.02474	7.63350	.00859	-4.70057
-6.000	-.00169	.00108	.00474	-.02424	7.63415	.00766	-4.70268
-4.000	-.00174	.00103	.00424	-.02588	7.63206	.00570	-4.70710
-2.000	-.00168	.00076	.00368	-.03035	7.62638	.00470	-4.70936
.000	-.00151	.00066	.00345	-.03356	7.62223	.00411	-4.71069
2.000	-.00200	.00067	.00413	-.03478	7.62074	.00274	-4.71379
4.000	-.00186	.00040	.00435	-.03596	7.61924	.00086	-4.71806
GRADIENT	-.00003	-.00007	.00003	-.00123	-.00156	-.00058	-.00132

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00138	.00036	.00012	-.02141	7.64451	.00953	-4.70378
-6.000	.00206	-.00038	-.00106	-.01963	7.64622	.00937	-4.70406
-4.000	.00196	-.00049	-.00151	-.01894	7.64689	.00791	-4.70655
-2.000	.00123	-.00048	-.00129	-.02245	7.64352	.00633	-4.70922
.000	.00117	-.00047	-.00104	-.02572	7.64039	.00565	-4.71038
2.000	.00085	-.00066	-.00026	-.02485	7.64122	.00512	-4.71129
4.000	.00015	-.00088	.00011	-.02208	7.64387	.00442	-4.71247
GRADIENT	-.00020	-.00005	.00021	-.00043	-.00042	-.00041	-.00070

LARC UPWT 1177(IA94B) OTSAT130 (MJW009) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07526	-.01873	-.17936	-.00836	7.65073	.01197	-4.68367
-6.000	.07341	-.01835	-.17513	-.01273	7.64325	.00840	-4.69450
-4.000	.07164	-.01867	-.17029	-.01748	7.63512	.00426	-4.70707
-2.000	.07155	-.01966	-.16833	-.02211	7.62724	-.00109	-4.72166
.000	.07134	-.02016	-.16622	-.02795	7.61725	-.00619	-4.72940
2.000	.07079	-.02106	-.16481	-.03328	7.60816	-.00967	-4.73468
4.000	.07000	-.02165	-.16278	-.03401	7.60688	-.01341	-4.74038
GRADIENT	-.00020	-.00037	.00093	-.00221	-.00378	-.00220	-.00398

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06797	-.01586	-.15995	-.01894	7.64089	.00605	-4.70631
-6.000	.06481	-.01481	-.15419	-.01969	7.63993	.00533	-4.70794
-4.000	.06092	-.01436	-.14725	-.01998	7.63956	.00489	-4.70892
-2.000	.05690	-.01462	-.14017	-.02045	7.63896	.00406	-4.71080
.000	.05327	-.01539	-.13436	-.02268	7.63613	.00326	-4.71262
2.000	.04934	-.01595	-.12909	-.02591	7.63202	.00154	-4.71652
4.000	.04574	-.01646	-.12525	-.02937	7.62760	-.00016	-4.72018
GRADIENT	-.00190	-.00028	.00275	-.00121	-.00154	-.00063	-.00141

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06051	-.01324	-.14742	-.02147	7.64445	.00780	-4.70674
-6.000	.05954	-.01341	-.14439	-.02130	7.64462	.00773	-4.70685
-4.000	.05577	-.01295	-.13784	-.02048	7.64539	.00678	-4.70847
-2.000	.05179	-.01280	-.13124	-.01947	7.64637	.00586	-4.71003
.000	.04887	-.01387	-.12643	-.01858	7.64722	.00515	-4.71124
2.000	.04375	-.01504	-.11974	-.01973	7.64612	.00426	-4.71276
4.000	.03963	-.01579	-.11483	-.01971	7.64613	.00397	-4.71325
GRADIENT	-.00202	-.00040	.00288	.00006	.00006	-.00036	-.00061

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJW010) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11299	-.02982	-.26875	-.00056	7.66404	.01308	-4.68026
-6.000	.10980	-.02907	-.26252	-.00378	7.65854	.00981	-4.69021
-4.000	.10663	-.02921	-.25495	-.00803	7.65127	.00618	-4.70123
-2.000	.10613	-.03020	-.25067	-.01280	7.64312	.00172	-4.71477
.000	.10540	-.03068	-.24669	-.01812	7.63404	-.00369	-4.72560
2.000	.10524	-.03143	-.24503	-.02448	7.62318	-.00968	-4.73470
4.000	.10295	-.03205	-.24105	-.02575	7.62102	-.01242	-4.73885
GRADIENT	-.00041	-.00035	.00167	-.00236	-.00402	-.00243	-.00476

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10196	-.02508	-.24028	-.01386	7.64736	.00493	-4.70885
-6.000	.09704	-.02354	-.23122	-.01398	7.64720	.00447	-4.70988
-4.000	.09136	-.02239	-.22104	-.01416	7.64697	.00380	-4.71140
-2.000	.08584	-.02244	-.21161	-.01484	7.64609	.00295	-4.71331
.000	.08187	-.02352	-.20471	-.01668	7.64377	.00225	-4.71490
2.000	.07843	-.02446	-.19898	-.01878	7.64109	.00029	-4.71935
4.000	.07491	-.02542	-.19424	-.02087	7.63842	-.00221	-4.72251
GRADIENT	-.00202	-.00040	.00331	-.00087	-.00111	-.00073	-.00141

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09245	-.02132	-.22248	-.01831	7.64748	.00722	-4.70772
-6.000	.08715	-.02079	-.21387	-.01835	7.64743	.00725	-4.70765
-4.000	.08204	-.01999	-.20503	-.01762	7.64813	.00662	-4.70873
-2.000	.07784	-.02007	-.19745	-.01607	7.64962	.00559	-4.71048
.000	.07351	-.02165	-.19000	-.01517	7.65048	.00500	-4.71150
2.000	.06944	-.02305	-.18349	-.01520	7.65045	.00402	-4.71316
4.000	.06328	-.02345	-.17540	-.01525	7.65041	.00347	-4.71410
GRADIENT	-.00230	-.00049	.00366	.00028	.00027	-.00039	-.00067

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJW011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10698	.02760	.25660	-.04533	7.60724	-.00318	5.03539
-6.000	-.10300	.02616	.24778	-.04534	7.60723	-.00373	5.03477
-4.000	-.09774	.02480	.23695	-.04766	7.60428	-.00448	5.03393
-2.000	-.09131	.02440	.22476	-.05112	7.59984	-.00564	5.03261
.000	-.08683	.02502	.21618	-.05306	7.59742	-.00694	5.03114
2.000	-.08431	.02574	.21105	-.05942	7.58929	-.00867	5.02918
4.000	-.08204	.02660	.20706	-.06000	7.58857	-.01139	5.02610
GRADIENT	.00192	.00025	-.00367	-.00165	-.00210	-.00084	-.00095

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09094	.02212	.22880	-.02927	7.63699	-.00058	5.03850
-6.000	-.08632	.02062	.21961	-.02714	7.63904	-.00147	5.03775
-4.000	-.08072	.01973	.20910	-.02507	7.64102	-.00279	5.03663
-2.000	-.07545	.01982	.19898	-.02484	7.64123	-.00390	5.03568
.000	-.07188	.02074	.19098	-.02736	7.63883	-.00289	5.03654
2.000	-.06647	.02204	.18165	-.02863	7.63761	-.00402	5.03558
4.000	-.06069	.02235	.17326	-.02997	7.63633	-.00630	5.03365
GRADIENT	.00245	.00037	-.00445	-.00068	-.00065	-.00036	-.00030

LARC UPWT 1177(IA94B) OTSAT130 (MJW012) (18 JUN 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	976.0000 IN. XT		
LREF =	1290.3000 INCHES	YMRP =	.0000 IN. YT		
BREF =	1290.3000 INCHES	ZMRP =	400.0000 IN. ZT		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	-4.000	ELV-LI =	8.000
ELV-LO =	4.000	ELV-RI =	8.000
ELV-RO =	4.000		

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07274	.01813	.17377	-.03002	7.62679	-.00149	5.03731
-6.000	-.07001	.01688	.16715	-.03144	7.62498	-.00224	5.03647
-4.000	-.06559	.01605	.15810	-.03496	7.62049	-.00317	5.03542
-2.000	-.06123	.01590	.14914	-.03913	7.61520	-.00455	5.03385
.000	-.05783	.01637	.14290	-.04254	7.61085	-.00601	5.03220
2.000	-.05342	.01657	.13646	-.04991	7.60149	-.00742	5.03060
4.000	-.04925	.01676	.13161	-.04958	7.60188	-.00998	5.02771
GRADIENT	.00202	.00011	-.00328	-.00200	-.00255	-.00082	-.00093

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05726	.01388	.14714	-.02504	7.64105	-.00015	5.03887
-6.000	-.05508	.01294	.14197	-.02359	7.64243	-.00008	5.03893
-4.000	-.05173	.01214	.13561	-.02184	7.64411	-.00068	5.03842
-2.000	-.04755	.01212	.12799	-.02267	7.64331	-.00156	5.03768
.000	-.04495	.01264	.12201	-.02184	7.64411	-.00211	5.03721
2.000	-.04007	.01324	.11493	-.02349	7.64253	-.00332	5.03617
4.000	-.03518	.01378	.10822	-.02517	7.64092	-.00500	5.03475
GRADIENT	.00203	.00022	-.00339	-.00037	-.00036	-.00052	-.00044

LARC UPWT 1177(IA948) OTSAT130 (MJW013) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00247	.00114	.00732	-.02545	7.63259	-.00299	5.03562
-6.000	-.00229	.00079	.00614	-.02454	7.63376	-.00346	5.03508
-4.000	-.00180	.00058	.00499	-.02619	7.63167	-.00456	5.03385
-2.000	-.00166	.00037	.00425	-.03056	7.63611	-.00509	5.03325
.000	-.00163	.00030	.00407	-.03415	7.62155	-.00554	5.03274
2.000	-.00175	.00007	.00375	-.03541	7.61995	-.00695	5.03115
4.000	-.00202	.00028	.00504	-.03621	7.61892	-.00865	5.02921
GRADIENT	-.00003	-.00004	-.00002	-.00124	-.00158	-.00050	-.00057

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00228	-.00001	-.00092	-.01961	7.64622	-.00013	5.03889
-6.000	.00221	-.00042	-.00038	-.01765	7.64811	-.00015	5.03887
-4.000	.00273	-.00082	-.00199	-.01692	7.64881	-.00009	5.03893
-2.000	.00242	-.00105	-.00229	-.02043	7.64545	-.00083	5.03829
.000	.00207	-.00069	-.00141	-.02372	7.64230	-.00158	5.03765
2.000	.00214	-.00099	-.00159	-.02264	7.64333	-.00223	5.03710
4.000	.00137	-.00118	-.00113	-.01999	7.64588	-.00328	5.03621
GRADIENT	-.00015	-.00003	.00012	-.00042	-.00040	-.00039	-.00033

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJW014) (23 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06689	-.01618	-.15730	-.01895	7.64088	-.00374	4.45876
-6.000	.06403	-.01526	-.15227	-.01966	7.63997	-.00357	4.45896
-4.000	.06072	-.01502	-.14643	-.02006	7.63946	-.00327	4.45930
-2.000	.05665	-.01514	-.13899	-.02041	7.63901	-.00387	4.45862
.000	.05347	-.01599	-.13377	-.02280	7.63596	-.00472	4.45766
2.000	.04974	-.01657	-.12893	-.02602	7.63188	-.00682	4.45529
4.000	.04606	-.01694	-.12503	-.02975	7.62712	-.00896	4.45286
GRADIENT	-.00181	-.00026	.00264	-.00125	-.00159	-.00072	-.00081

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06278	-.01423	-.15056	-.01995	7.64591	.00043	4.46374
-6.000	.06128	-.01409	-.14700	-.01956	7.64629	.00043	4.46374
-4.000	.05804	-.01393	-.14165	-.01851	7.64729	.00035	4.46359
-2.000	.05454	-.01404	-.13593	-.01745	7.64831	-.00035	4.46270
.000	.05114	-.01492	-.13014	-.01657	7.64915	-.00071	4.46240
2.000	.04616	-.01593	-.12371	-.01771	7.64805	-.00213	4.46118
4.000	.04204	-.01658	-.11865	-.01787	7.64790	-.00273	4.46068
GRADIENT	-.00202	-.00036	.00291	.00005	.00005	-.00040	-.00037

LARC UPWT 1177(IA94B) OTSAT130 (MJW015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10249	-.02595	-.24158	-.01386	7.64735	-.00360	5.03492
-6.000	.09750	-.02450	-.23264	-.01394	7.64724	-.00351	5.03502
-4.000	.09227	-.02348	-.22331	-.01396	7.64722	-.00369	5.03482
-2.000	.08684	-.02343	-.21365	-.01457	7.64644	-.00403	5.03444
.000	.08309	-.02461	-.20704	-.01653	7.64395	-.00491	5.03344
2.000	.07937	-.02537	-.20091	-.01842	7.64154	-.00796	5.02999
4.000	.07591	-.02615	-.19604	-.02026	7.63921	-.01119	5 02633
GRADIENT	-.00201	-.00036	.00336	-.00082	-.00105	-.00095	-.00107

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.08524	-.02048	-.20330	-.01653	7.64919	.00059	5.04001
-6.000	.08009	-.01951	-.19453	-.01669	7.64903	.00026	5.03944
-4.000	.07577	-.01903	-.18723	-.01588	7.64980	.00049	5.03983
-2.000	.07271	-.01931	-.18180	-.01447	7.65115	.00009	5.03915
.000	.06904	-.02080	-.17579	-.01356	7.65203	-.00024	5.03880
2.000	.06555	-.02203	-.17018	-.01383	7.65177	-.00189	5.03739
4.000	.06033	-.02235	-.16336	-.01386	7.65174	-.00293	5.03651
GRADIENT	-.00190	-.00047	.00297	.00023	.00022	-.00044	-.00042

LARC UPWT 1177(IA94B) OTSAT130 (MJW016) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11680	.03267	.28367	-.05376	7.57323	-.00966	3.63234
-6.000	-.11222	.03175	.27320	-.06114	7.56063	-.01217	3.62853
-4.000	-.10834	.03158	.26310	-.06802	7.54889	-.01471	3.62468
-2.000	-.10755	.03205	.25755	-.07633	7.53473	-.01638	3.62214
.000	-.10754	.03218	.25331	-.08558	7.51902	-.01685	3.62145
2.000	-.10893	.03266	.25238	-.09042	7.51066	-.01940	3.61757
4.000	-.10706	.03286	.24776	-.08486	7.52016	-.02521	3.60875
GRADIENT	.00006	.00016	-.00179	-.00239	-.00408	-.00120	-.00182

LARC UPWT 1177(IA94B) OTSAT130 (MJW017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07719	.02043	.18682	-.04629	7.58595	-.00777	3.63521
-6.000	-.07300	.01978	.17784	-.05333	7.57396	-.01051	3.63106
-4.000	-.06849	.01967	.16754	-.06069	7.56140	-.01261	3.62787
-2.000	-.06831	.02023	.16425	-.06862	7.54781	-.01415	3.62553
.000	-.06738	.02013	.16041	-.07690	7.53369	-.01490	3.62439
2.000	-.06783	.02076	.15882	-.08081	7.52693	-.01785	3.61989
4.000	-.06757	.02080	.15685	-.07736	7.53281	-.02324	3.61170
GRADIENT	.00012	.00014	-.00134	-.00228	-.00390	-.00125	-.00190

LARC UPWT 1177(IA94B) OTSAT130 (MJW018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00007	.00045	.00119	-.02682	7.61919	-.00811	3.63468
-6.000	.00062	.00039	-.00098	-.03337	7.60806	-.01108	3.63020
-4.000	.00222	.00006	-.00392	-.03961	7.59739	-.01340	3.62667
-2.000	.00282	-.00016	-.00444	-.04394	7.58986	-.01526	3.62381
.000	.00282	-.00056	-.00485	-.04854	7.58206	-.01674	3.62157
2.000	.00204	-.00071	-.00448	-.05449	7.57190	-.01932	3.61766
4.000	.00187	-.00099	-.00421	-.05641	7.56863	-.02521	3.60871
GRADIENT	-.00007	-.00013	-.00003	-.00221	-.00377	-.00138	-.00210

LARC UPWT 1177(IA94B) OTSAT130 (MJW019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07634	-.01889	-.18070	-.00772	7.65182	-.00363	3.64149
-6.000	.07415	-.01831	-.17601	-.01208	7.64436	-.00600	3.63788
-4.000	.07178	-.01863	-.17073	-.01695	7.63606	-.00952	3.63254
-2.000	.07189	-.01968	-.16924	-.02186	7.62767	-.01456	3.62490
.000	.07129	-.02012	-.16619	-.02779	7.61752	-.01908	3.61803
2.000	.07027	-.02076	-.16371	-.03275	7.60905	-.02288	3.61225
4.000	.06942	-.02127	-.16134	-.03370	7.60744	-.02779	3.60481
GRADIENT	-.00032	-.00032	.00122	-.00222	-.00379	-.00224	-.00341

LARC UPWT 1177(IA94B) OTSAT130 (MJW020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11302	-.02973	-.26842	.00006	7.66524	-.00279	3.64276
-6.000	.10948	-.02895	-.26166	-.00327	7.65941	-.00462	3.63999
-4.000	.10659	-.02922	-.25458	-.00770	7.65185	-.00759	3.63547
-2.000	.10626	-.03027	-.25073	-.01251	7.64362	-.01162	3.62935
.000	.10560	-.03081	-.24719	-.01765	7.63485	-.01629	3.62227
2.000	.10501	-.03143	-.24448	-.02414	7.62378	-.02311	3.61192
4.000	.10238	-.03177	-.23945	-.02564	7.62121	-.02676	3.60637
GRADIENT	-.00048	-.00031	.00183	-.00237	-.00406	-.00249	-.00378

LARC UPWT 1177(IA94B) OTSAT130 (MJW021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10760	.02738	.25872	-.04478	7.60797	.00320	.00725
-6.000	-.10308	.02580	.24865	-.04443	7.60842	.00220	.00499
-4.000	-.09793	.02443	.23794	-.04676	7.60546	.00120	.00271
-2.000	-.09171	.02418	.22602	-.05026	7.60100	-.00057	-.00064
.000	-.08726	.02483	.21754	-.05187	7.59895	-.00213	-.00242
2.000	-.08460	.02550	.21240	-.05791	7.59128	-.00412	-.00466
4.000	-.08209	.02634	.20799	-.05888	7.59003	-.00644	-.00729
GRADIENT	.00194	.00026	-.00368	-.00159	-.00203	-.00094	-.00120

LARC UPWT 1177(IA94B) OTSAT130 (MJW021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09053	.02142	.22811	-.02946	7.63679	.00448	.00762
-6.000	-.08694	.02027	.22145	-.02742	7.63885	.00351	.00596
-4.000	-.08128	.01936	.21082	-.02545	7.64064	.00108	.00184
-2.000	-.07648	.01961	.20093	-.02521	7.64088	-.00070	-.00060
.000	-.07264	.02042	.19241	-.02775	7.63845	-.00011	-.00010
2.000	-.06739	.02176	.18349	-.02867	7.63756	-.00144	-.00123
4.000	-.06132	.02183	.17460	-.02974	7.63655	-.00351	-.00299
GRADIENT	.00245	.00035	-.00449	-.00060	-.00058	-.00050	-.00051

LARC UPWT 1177(IA94B) OTSAT130 (MJW022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07143	.01748	.17112	-.02915	7.62788	.00425	.00963
-6.000	-.06883	.01624	.16461	-.03017	7.62658	.00302	.00683
-4.000	-.06476	.01546	.15594	-.03353	7.62233	.00157	.00355
-2.000	-.06069	.01548	.14804	-.03812	7.61650	.00003	.00006
.000	-.05702	.01584	.14086	-.04147	7.61223	-.00151	-.00171
2.000	-.05259	.01597	.13457	-.04847	7.60331	-.00316	-.00358
4.000	-.04822	.01605	.12928	-.04839	7.60341	-.00543	-.00614
GRADIENT	.00206	.00008	-.00334	-.00200	-.00255	-.00086	-.00115

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJW022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05728	.01293	.14632	-.02506	7.64107	.00397	.00674
-6.000	-.05486	.01201	.14077	-.02356	7.64246	.00362	.00616
-4.000	-.05171	.01160	.13508	-.02184	7.64412	.00245	.00416
-2.000	-.04758	.01161	.12720	-.02247	7.64350	.00134	.00227
.000	-.04515	.01208	.12169	-.02136	7.64456	.00062	.00105
2.000	-.03999	.01258	.11429	-.02322	7.64278	-.00065	-.00055
4.000	-.03484	.01305	.10704	-.02477	7.64130	-.00220	-.00187
GRADIENT	.00207	.00019	-.00345	-.00033	-.00032	-.00056	-.00074

LARC UPWT 1177(IA94B) OTSAT130 (MJW023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00328	.00121	.00942	-.02481	7.63341	.00107	.00242
-6.000	-.00327	.00089	.00866	-.02382	7.63465	.00051	.00115
-4.000	-.00299	.00071	.00774	-.02558	7.63243	-.00099	-.00112
-2.000	-.00252	.00044	.00647	-.03055	7.62619	-.00176	-.00198
.000	-.00245	.00041	.00616	-.03406	7.62172	-.00244	-.00276
2.000	-.00265	.00033	.00604	-.03468	7.62087	-.00360	-.00408
4.000	-.00220	.00002	.00594	-.03552	7.61973	-.00522	-.00591
GRADIENT	.00007	-.00007	-.00020	-.00120	-.00154	-.00051	-.00058

LARC UPWT 1177(1A943) OTSAT130 (MJW023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00278	-.00017	-.00194	-.01940	7.64644	.00161	.00274
-6.000	.00276	-.00074	-.00198	-.01765	7.64812	.00154	.00262
-4.000	.00330	-.00118	-.00365	-.01674	7.64899	.00062	.00105
-2.000	.00270	-.00116	-.00336	-.02013	7.64572	-.00030	-.00026
.000	.00272	-.00107	-.00300	-.02393	7.64214	-.00092	-.00078
2.000	.00203	-.00127	-.00233	-.02273	7.64325	-.00129	-.00110
4.000	.00152	-.00156	-.00196	-.01964	7.64621	-.00227	-.00193
GRADIENT	-.00021	-.00004	.00022	-.00042	-.00040	-.00034	-.00034

LARC UPWT 1177(1A94B) OTSAT130 (MJW024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06812	-.01658	-.16033	-.01881	7.64107	-.00109	-.00123
-6.000	.06516	-.01561	-.15526	-.01943	7.64018	-.00126	-.00142
-4.000	.06179	-.01525	-.14888	-.01965	7.64000	-.00117	-.00132
-2.000	.05740	-.01540	-.14108	-.02015	7.63935	-.00134	-.00152
.000	.05401	-.01637	-.13571	-.02234	7.63659	-.00213	-.00241
2.000	.05028	-.01693	-.13095	-.02542	7.63265	-.00404	-.00457
4.000	.04635	-.01716	-.12626	-.02892	7.62822	-.00612	-.00692
GRADIENT	-.00190	-.00027	.00277	-.00119	-.00151	-.00063	-.00071

LARC UPWT 1177(IA94B) OTSAT130 (MJW024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06137	-.01437	-.14891	-.01954	7.64631	.00142	.00241
-6.000	.05961	-.01400	-.14482	-.01911	7.64672	.00164	.00278
-4.000	.05642	-.01385	-.13895	-.01830	7.64749	.00113	.00192
-2.000	.05310	-.01391	-.13354	-.01723	7.64851	.00048	.00082
.000	.04987	-.01493	-.12794	-.01663	7.64909	.00014	.00024
2.000	.04505	-.01604	-.12205	-.01740	7.64837	-.00118	-.00100
4.000	.04104	-.01672	-.11742	-.01759	7.64817	-.00172	-.00146
GRADIENT	-.00194	-.00039	.00273	.00006	.00006	-.00037	-.00043

LARC UPWT 1177(IA94B) OTSAT130 (MJW025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10351	-.02620	-.24392	-.01326	7.64812	-.00110	-.00125
-6.000	.09868	-.02477	-.23524	-.01335	7.64801	-.00131	-.00149
-4.000	.09333	-.02372	-.22564	-.01361	7.64768	-.00145	-.00165
-2.000	.08779	-.02374	-.21609	-.01416	7.64698	-.00166	-.00188
.000	.08401	-.02490	-.20922	-.01593	7.64473	-.00241	-.00273
2.000	.08041	-.02580	-.20349	-.01771	7.64247	-.00507	-.00574
4.000	.07703	-.02673	-.19833	-.01969	7.63995	-.00750	-.00848
GRADIENT	-.00200	-.00040	.00336	-.00079	-.00100	-.00078	-.00088

LARC UPWT 1177(IA94B) OTSAT130 (MJW025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09492	-.02295	-.22828	-.01609	7.64960	.00161	.00274
-6.000	.08932	-.02199	-.21893	-.01592	7.64978	.00162	.00276
-4.000	.08410	-.02123	-.20956	-.01514	7.65052	.00152	.00259
-2.000	.08045	-.02177	-.20339	-.01381	7.65178	.00082	.00140
.000	.07654	-.02331	-.19619	-.01276	7.65279	.00042	.00072
2.000	.07210	-.02469	-.18920	-.01272	7.65283	-.00087	-.00074
4.000	.06588	-.02493	-.18106	-.01263	7.65291	-.00184	-.00157
GRADIENT	-.00224	-.00052	.00356	.00031	.00029	-.00042	-.00052

LARC UPWT 1177(IA94B) OTSAT130 (MJW026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11577	.03197	.28273	.00890	.03506	.00143	.00434
-6.000	-.11086	.03086	.27224	-.00313	-.00535	-.00147	-.00224
-4.000	-.10722	.03076	.26225	-.01373	-.02349	-.00399	-.00606
-2.000	-.10614	.03133	.25568	-.02509	-.04294	-.00558	-.00849
.000	-.10633	.03156	.25143	-.03662	-.06268	-.00631	-.00960
2.000	-.10769	.03192	.25068	-.04287	-.07339	-.00947	-.01441
4.000	-.10624	.03215	.24716	-.03945	-.06751	-.01574	-.02395
GRADIENT	.00002	.00017	-.00176	-.00346	-.00592	-.00137	-.00208

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJW026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10754	.02760	.25903	.00097	.00286	.00636	.01441
-6.000	-.10347	.02616	.24951	-.00257	-.00327	.00526	.01191
-4.000	-.09851	.02500	.23908	-.00559	-.00712	.00396	.00899
-2.000	-.09252	.02479	.22781	-.00897	-.01143	.00196	.00444
.000	-.08800	.02543	.21926	-.01209	-.01542	.00019	.00043
2.000	-.08528	.02602	.21389	-.01812	-.02311	-.00178	-.00201
4.000	-.08283	.02685	.20996	-.02283	-.02911	-.00422	-.00479
GRADIENT	.00193	.00025	-.00361	-.00218	-.00278	-.00101	-.00170

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09320	.02232	.23292	-.00345	-.00330	.00638	.01086
-6.000	-.08931	.02102	.22506	-.00381	-.00365	.00566	.00963
-4.000	-.08362	.02036	.21431	-.00348	-.00333	.00365	.00621
-2.000	-.07888	.02047	.20475	-.00540	-.00517	.00195	.00332
.000	-.07554	.02155	.19702	-.00706	-.00676	.00189	.00322
2.000	-.07012	.02279	.18773	-.00799	-.00765	.00025	.00043
4.000	-.06403	.02284	.17860	-.00924	-.00884	-.00171	-.00145
GRADIENT	.00240	.00036	-.00442	-.00071	-.00068	-.00062	-.00091

LARC UPWT 1177(IA94B) OTSAT130 (MJW027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT.
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07687	.01988	.18606	.01369	.05395	.00253	.00771
-6.000	-.07259	.01915	.17780	.00202	.00795	-.00069	-.00105
-4.000	-.06935	.01927	.16872	-.00914	-.01565	-.00287	-.00437
-2.000	-.06728	.01967	.16349	-.01992	-.03411	-.00427	-.00649
.000	-.06762	.01989	.16148	-.03090	-.05289	-.00492	-.00748
2.000	-.06723	.02020	.15785	-.03693	-.06315	-.00828	-.01259
4.000	-.06665	.02034	.15590	-.03552	-.06062	-.01452	-.02203
GRADIENT	.00017	.00013	-.00156	-.00349	-.00595	-.00137	-.00207

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07295	.01823	.17465	.00888	.02605	.00694	.01571
-6.000	-.07047	.01707	.16858	.00448	.01314	.00560	.01267
-4.000	-.06640	.01649	.16039	.00014	.00042	.00427	.00966
-2.000	-.06198	.01635	.15149	-.00471	-.00599	.00239	.00540
.000	-.05889	.01678	.14564	-.00917	-.01163	.00076	.00171
2.000	-.05458	.01691	.13944	-.01396	-.01778	-.00093	-.00105
4.000	-.05000	.01718	.13368	-.01673	-.02131	-.00332	-.00375
GRADIENT	.00201	.00010	-.00327	-.00215	-.00276	-.00092	-.00166

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05972	.01410	.15059	-.00227	-.00217	.00617	.01051
-6.000	-.05698	.01311	.14495	-.00327	-.00313	.00584	.00994
-4.000	-.05400	.01269	.13873	-.00341	-.00326	.00461	.00785
-2.000	-.04989	.01280	.13133	-.00511	-.00489	.00357	.00608
.000	-.04745	.01321	.12581	-.00546	-.00523	.00244	.00415
2.000	-.04245	.01382	.11875	-.00714	-.00684	.00120	.00205
4.000	-.03764	.01437	.11211	-.00851	-.00815	-.00052	-.00044
GRADIENT	.00201	.00022	-.00329	-.00061	-.00059	-.00063	-.00103

LARC UPWT 1177(IA94B) OTSAT130 (MJW028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00012	-.00004	.00183	.02796	.11013	.00169	.00515
-6.000	.00090	-.00001	-.00110	.01755	.06913	-.00173	-.00263
-4.000	.00181	-.00006	-.00293	.00704	.02774	-.00497	-.00755
-2.000	.00271	-.00028	-.00450	-.00119	-.00203	-.00721	-.01095
.000	.00254	-.00059	-.00455	-.00924	-.01580	-.00817	-.01241
2.000	.00230	-.00094	-.00492	-.01743	-.02981	-.01095	-.01665
4.000	.00239	-.00121	-.00580	-.02159	-.03691	-.01760	-.02674
GRADIENT	.00004	-.00015	-.00031	-.00368	-.00785	-.00145	-.00220

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00299	.00163	.00902	.00689	.02020	.00463	.01047
-6.000	-.00311	.00136	.00856	.00448	.01315	.00362	.00820
-4.000	-.00252	.00116	.00718	.00148	.00434	.00187	.00423
-2.000	-.00236	.00096	.00655	-.00441	-.00562	.00094	.00213
.000	-.00246	.00102	.00659	-.00939	-.01196	.00017	.00038
2.000	-.00292	.00099	.00680	-.01229	-.01566	-.00141	-.00160
4.000	-.00226	.00077	.00667	-.01320	-.01681	-.00296	-.00335
GRADIENT	-.00000	-.00004	-.00004	-.00186	-.00262	-.00060	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00151	.00049	-.00044	-.00153	-.00146	.00427	.00726
-6.000	.00211	-.00023	-.00113	-.00179	-.00172	.00404	.00687
-4.000	.00161	-.00017	-.00097	-.00186	-.00178	.00324	.00551
-2.000	.00124	-.00030	-.00123	-.00426	-.00408	.00230	.00392
.000	.00087	-.00011	-.00057	-.00822	-.00787	.00185	.00314
2.000	.00034	-.00053	-.00017	-.00893	-.00855	.00112	.00190
4.000	-.00007	-.00078	.00005	-.00768	-.00735	-.00022	-.00019
GRADIENT	-.00021	-.00007	.00015	-.00082	-.00078	-.00041	-.00067

LARC UPWT 1177(IA948) OTSAT130 (MJW029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07373	-.01807	-.17495	.04005	.15781	.00369	.01122
-6.000	.07192	-.01767	-.17186	.03262	.12864	.00053	.00162
-4.000	.07096	-.01812	-.16937	.02447	.09644	-.00334	-.00509
-2.000	.06997	-.01890	-.16469	.01588	.06261	-.00824	-.01254
.000	.06976	-.01947	-.16266	.00642	.02532	-.01278	-.01944
2.000	.06882	-.02040	-.16089	-.00204	-.00349	-.01609	-.02448
4.000	.06833	-.02092	-.15911	-.00594	-.01015	-.02069	-.03145
GRADIENT	-.00032	-.00036	.00122	-.00394	-.01396	-.00213	-.00323

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06746	-.01557	-.15847	.01012	.02969	.00150	.00340
-6.000	.06472	-.01467	-.15343	.00540	.01585	.00127	.00288
-4.000	.06105	-.01422	-.14657	.00243	.00713	.00128	.00290
-2.000	.05696	-.01444	-.13922	-.00091	-.00116	.00075	.00171
.000	.05349	-.01520	-.13366	-.00435	-.00551	.00001	.00002
2.000	.04955	-.01586	-.12863	-.00830	-.01058	-.00152	-.00172
4.000	.04566	-.01603	-.12440	-.01319	-.01679	-.00366	-.00414
GRADIENT	-.00191	-.00025	.00275	-.00193	-.00286	-.00061	-.00088

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.05859	-.01272	-.14309	-.00250	-.00239	.00320	.00544
-6.000	.05700	-.01247	-.13937	-.00451	-.00432	.00341	.00580
-4.000	.05366	-.01208	-.13343	-.00536	-.00513	.00290	.00494
-2.000	.05016	-.01207	-.12736	-.00519	-.00497	.00228	.00388
.000	.04742	-.01322	-.12245	-.00565	-.00541	.00179	.00306
2.000	.04270	-.01450	-.11682	-.00718	-.00688	.00055	.00093
4.000	.03827	-.01502	-.11140	-.00767	-.00734	-.00009	-.00008
GRADIENT	-.00191	-.00042	.00273	-.00033	-.00032	-.00039	-.00065

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (MJW030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11281	-.02953	-.26820	.04728	.18638	.00476	.01448
-6.000	.10924	-.02864	-.26167	.03987	.15716	.00196	.00595
-4.000	.10682	-.02890	-.25552	.03147	.12407	-.00162	-.00246
-2.000	.10609	-.02982	-.25070	.02277	.08973	-.00596	-.00907
.000	.10482	-.03020	-.24559	.01473	.05809	-.01078	-.01641
2.000	.10500	-.03116	-.24451	.00583	.02296	-.01682	-.02558
4.000	.10317	-.03173	-.24167	.00251	.00991	-.02021	-.03073
GRADIENT	-.00042	-.00035	.00170	-.00374	-.01475	-.00240	-.00365

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10298	-.02524	-.24264	.01372	.04026	.00082	.00185
-6.000	.09809	-.02377	-.23392	.00995	.02920	.00062	.00139
-4.000	.09245	-.02252	-.22389	.00669	.01963	.00037	.00085
-2.000	.08654	-.02242	-.21345	.00373	.01094	.00007	.00016
.000	.08257	-.02364	-.20641	.00004	.00013	-.00078	-.00088
2.000	.07942	-.02477	-.20141	-.00364	-.00464	-.00317	-.00358
4.000	.07587	-.02548	-.19658	-.00691	-.00880	-.00589	-.00667
GRADIENT	-.00201	-.00041	.00333	-.00173	-.00362	-.00079	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09127	-.02088	-.22113	.00130	.00288	.00308	.00524
-6.000	.08637	-.02030	-.21301	-.00194	-.00186	.00311	.00530
-4.000	.08102	-.01945	-.20381	-.00290	-.00277	.00287	.00489
-2.000	.07671	-.01958	-.19574	-.00284	-.00272	.00219	.00373
.000	.07251	-.02101	-.18815	-.00315	-.00301	.00155	.00263
2.000	.06881	-.02263	-.18220	-.00402	-.00385	.00006	.00010
4.000	.06240	-.02282	-.17379	-.00491	-.00470	-.00084	-.00072
GRADIENT	-.00226	-.00049	.00368	-.00026	-.00025	-.00048	-.00074

LARC UPWT 1177(IA94B) OTSAT130 (MJW032) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11587	.03182	.28225	.00982	.03856	.01141	-4.68543
-6.000	-.11170	.03087	.27337	-.00220	-.00374	.00817	-4.69524
-4.000	-.10677	.03013	.26021	-.01241	-.02120	.00507	-4.70460
-2.000	-.10554	.03061	.25338	-.02365	-.04039	.00289	-4.71123
.000	-.10559	.03085	.24978	-.03497	-.05972	.00190	-4.71423
2.000	-.10732	.03147	.24968	-.04183	-.07145	-.00039	-4.72060
4.000	-.10515	.03132	.24413	-.03890	-.06643	-.00520	-4.72789
GRADIENT	.00007	.00016	-.00179	-.00356	-.00608	-.00119	-.00280

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10927	.02784	.26240	.00220	.00644	.01251	-4.69168
-6.000	-.10471	.02624	.25220	-.00153	-.00195	.01122	-4.69460
-4.000	-.09970	.02485	.24176	-.00422	-.00538	.01007	-4.69722
-2.000	-.09330	.02426	.22947	-.00782	-.00995	.00765	-4.70268
.000	-.08847	.02493	.22049	-.01021	-.01300	.00572	-4.70705
2.000	-.08583	.02572	.21496	-.01606	-.02044	.00388	-4.71123
4.000	-.08340	.02651	.21086	-.02063	-.02627	.00157	-4.71644
GRADIENT	.00200	.00024	-.00382	-.00205	-.00261	-.00104	-.00235

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09135	.02163	.22891	-.00254	-.00243	.01220	-4.69924
-6.000	-.08718	.02015	.22075	-.00292	-.00280	.01139	-4.70062
-4.000	-.08184	.01932	.21086	-.00274	-.00262	.00948	-4.70387
-2.000	-.07673	.01921	.20076	-.00445	-.00426	.00684	-4.70837
.000	-.07281	.01990	.19179	-.00609	-.00582	.00642	-4.70907
2.000	-.06838	.02156	.18416	-.00713	-.00683	.00552	-4.71061
4.000	-.06229	.02198	.17513	-.00829	-.00794	.00377	-4.71358
GRADIENT	.00237	.00038	-.00440	-.00069	-.00066	-.00064	-.00108

LARC UPWT 1177(IA94B) OTSAT130 (MJW033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07785	.02008	.18842	01501	.05904	.01205	-4.68343
-6.000	-.07311	.01913	.17811	.00307	.01209	.00806	-4.69552
-4.000	-.06858	.01890	.16769	-.00776	-.01326	.00517	-4.70429
-2.000	-.06762	.01950	.16379	-.01826	-.03118	.00314	-4.71046
.000	-.06774	.01956	.16118	-.02952	-.05042	.00230	-4.71303
2.000	-.06870	.02044	.16160	-.03608	-.06165	-.00035	-4.72053
4.000	-.06723	.02022	.15636	-.03488	-.05957	-.00504	-4.72765
GRADIENT	.00008	.00018	-.00124	-.00360	-.00615	-.00120	-.00284

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07193	.01781	.17212	.00944	.02767	.01254	-4.69162
-6.000	-.06930	.01653	.16564	.00513	.01505	.01095	-4.69521
-4.000	-.06548	.01588	.15772	.00159	.00468	.00941	-4.69871
-2.000	-.06116	.01566	.14900	-.00345	-.00439	.00758	-4.70284
.000	-.05777	.01605	.14254	-.00763	-.00971	.00589	-4.70667
2.000	-.05337	.01628	.13590	-.01243	-.01582	.00416	-4.71057
4.000	-.04896	.01637	.13059	-.01503	-.01913	.00210	-4.71524
GRADIENT	.00204	.00008	-.00337	-.00211	-.00295	-.00090	-.00204

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05784	.01346	.14715	-.00176	-.00169	.01177	-4.69998
-6.000	-.05524	.01240	.14183	-.00255	-.00244	.01088	-4.70148
-4.000	-.05271	.01203	.13643	-.00280	-.00268	.00931	-4.70415
-2.000	-.04858	.01187	.12894	-.00461	-.00442	.00765	-4.70698
.000	-.04604	.01216	.12305	-.00528	-.00506	.00611	-4.70960
2.000	-.04150	.01293	.11617	-.00629	-.00602	.00513	-4.71127
4.000	-.03625	.01356	.10918	-.00782	-.00749	.00403	-4.71314
GRADIENT	.00200	.00021	-.00336	-.00059	-.00056	-.00065	-.00111

LARC UPWT 1177(IA94B) OTSAT130 (MJW034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00203	.00042	.00687	.02867	.11255	.01091	-4.68693
-6.000	-.00165	.00049	.00534	.01804	.07085	.00695	-4.69894
-4.000	-.00064	.00040	.00276	.00746	.02933	.00296	-4.71103
-2.000	.00119	-.00002	-.00121	-.00060	-.00102	.00039	-4.71883
.000	.00055	-.00014	-.00017	-.00847	-.01446	-.00118	-4.72180
2.000	-.00001	-.00036	.00027	-.01693	-.02891	-.00319	-4.72484
4.000	-.00010	-.00059	-.00028	-.02121	-.03622	-.00772	-4.73171
GRADIENT	-.00001	-.00012	-.00023	-.00368	-.00795	-.00125	-.00237

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00142	.00116	.00505	.00755	.02212	.00859	-4.70056
-6.000	-.00152	.00100	.00473	.00449	.01316	.00770	-4.70258
-4.000	-.00114	.00082	.00358	.00217	.00637	.00598	-4.70646
-2.000	-.00134	.00064	.00337	-.00305	-.00388	.00452	-4.70977
.000	-.00098	.00043	.00282	-.00779	-.00992	.00400	-4.71095
2.000	-.00148	.00045	.00305	-.01106	-.01409	.00263	-4.71404
4.000	-.00123	.00034	.00339	-.01212	-.01543	.00113	-4.71744
GRADIENT	-.00002	-.00006	-.00003	-.00183	-.00269	-.00058	-.00131

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00115	.00045	.00120	-.00006	-.00006	.00846	-4.70560
-6.000	.00147	-.00007	.00114	-.00062	-.00060	.00802	-4.70635
-4.000	.00165	-.00032	.00040	-.00066	-.00064	.00678	-4.70846
-2.000	.00115	-.00050	.00015	-.00263	-.00252	.00522	-4.71112
.000	.00116	-.00035	.00024	-.00671	-.00642	.00429	-4.71270
2.000	.00083	-.00041	.00074	-.00759	-.00727	.00375	-4.71362
4.000	.00031	-.00065	.00116	-.00638	-.00611	.00298	-4.71492
GRADIENT	-.00015	-.00003	.00011	-.00082	-.00079	-.00045	-.00077

LARC UPWT 1177(IA94B) OTSAT130 (MJW035) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07510	-.01864	-.17897	.04139	.16282	.01215	-4.68311
-6.000	.07342	-.01820	-.17523	.03396	.13362	.00841	-4.69447
-4.000	.07118	-.01820	-.17015	.02600	.10234	.00471	-4.70569
-2.000	.07075	-.01923	-.16766	.01771	.06970	-.00024	-4.72036
.000	.07116	-.01995	-.16667	.00887	.03490	-.00517	-4.72784
2.000	.06992	-.02073	-.16380	-.00014	-.00024	-.00812	-4.73233
4.000	.06972	-.02134	-.16257	-.00435	-.00743	-.01093	-4.73660
GRADIENT	-.00019	-.00039	.00095	-.00393	-.01447	-.00196	-.00369

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06680	-.01549	-.15683	.01086	.03185	.00595	-4.70653
-6.000	.06423	-.01431	-.15193	.00579	.01699	.00493	-4.70883
-4.000	.06068	-.01385	-.14551	.00256	.00752	.00457	-4.70966
-2.000	.05685	-.01410	-.13875	.00015	.00044	.00356	-4.71193
.000	.05316	-.01483	-.13276	-.00342	-.00436	.00281	-4.71364
2.000	.04962	-.01558	-.12826	-.00751	-.00956	.00150	-4.71661
4.000	.04587	-.01577	-.12381	-.01180	-.01503	.00009	-4.71979
GRADIENT	-.00184	-.00027	.00269	-.00182	-.00275	-.00055	-.00125

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06020	-.01320	-.14520	-.00176	-.00169	.00674	-4.70853
-6.000	.05923	-.01308	-.14242	-.00383	-.00367	.00673	-4.70854
-4.000	.05600	-.01273	-.13671	-.00505	-.00484	.00591	-4.70994
-2.000	.05223	-.01264	-.13057	-.00502	-.00481	.00479	-4.71184
.000	.04971	-.01381	-.12648	-.00514	-.00492	.00416	-4.71292
2.000	.04449	-.01486	-.12004	-.00636	-.00609	.00334	-4.71431
4.000	.03978	-.01530	-.11417	-.00699	-.00669	.00293	-4.71500
GRADIENT	-.00201	-.00037	.00278	-.00026	-.00025	-.00037	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJW036) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11444	-.03020	-.27228	.04866	.19149	.01349	-4.67904
-6.000	.11110	-.02917	-.26580	.04152	.16345	.01008	-4.68938
-4.000	.10779	-.02897	-.25846	.03362	.13238	.00645	-4.70041
-2.000	.10716	-.03018	-.25432	.02480	.09761	.00209	-4.71367
.000	.10741	-.03101	-.25207	.01721	.06774	-.00257	-4.72391
2.000	.10709	-.03176	-.24994	.00793	.03123	-.00825	-4.73253
4.000	.10469	-.03203	-.24543	.00397	.01564	-.01064	-4.73615
GRADIENT	-.00031	-.00039	.00152	-.00381	-.01499	-.00223	-.00452

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10314	-.02518	-.24232	.01455	.04270	.00462	-4.70954
-6.000	.09800	-.02348	-.23309	.01063	.03117	.00394	-4.71108
-4.000	.09253	-.02224	-.22286	.00729	.02140	.00329	-4.71254
-2.000	.08709	-.02216	-.21379	.00496	.01457	.00247	-4.71440
.000	.08277	-.02322	-.20631	.00148	.00431	.00186	-4.71579
2.000	.07936	-.02422	-.20055	-.00222	-.00283	.00020	-4.71956
4.000	.07602	-.02509	-.19574	-.00576	-.00733	-.00165	-4.72187
GRADIENT	-.00204	-.00039	.00337	-.00166	-.00374	-.00061	-.00119

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09495	-.02192	-.22747	.00239	.00527	.00666	-4.70866
-6.000	.08948	-.02102	-.21849	-.00091	-.00087	.00643	-4.70905
-4.000	.08450	-.02033	-.21033	-.00237	-.00227	.00584	-4.71005
-2.000	.08017	-.02032	-.20250	-.00238	-.00228	.00479	-4.71185
.000	.07629	-.02188	-.19552	-.00277	-.00265	.00430	-4.71268
2.000	.07182	-.02321	-.18816	-.00353	-.00338	.00338	-4.71425
4.000	.06718	-.02426	-.18160	-.00415	-.00398	.00214	-4.71635
GRADIENT	-.00215	-.00054	.00359	-.00023	-.00023	-.00044	-.00075

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJW037) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10858	.02809	.25999	.00145	.00425	-.00343	5.03512
-6.000	-.10442	.02672	.25049	-.00237	-.00302	-.00431	5.03412
-4.000	-.09936	.02552	.24004	-.00546	-.00695	-.00510	5.03323
-2.000	-.09311	.02505	.22808	-.00867	-.01104	-.00658	5.03155
.000	-.08847	.02562	.21925	-.01132	-.01441	-.00801	5.02993
2.000	-.08612	.02649	.21420	-.01679	-.02137	-.00985	5.02786
4.000	-.08349	.02726	.21015	-.02071	-.02636	-.01258	5.02477
GRADIENT	.00194	.00025	-.00368	-.00193	-.00246	-.00091	-.00103

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09391	.02282	.23392	-.00327	-.00313	-.00087	5.03826
-6.000	-.09321	.02135	.22518	-.00359	-.00344	-.00150	5.03773
-4.000	-.08370	.02051	.21467	-.00330	-.00316	-.00265	5.03674
-2.000	-.07905	.02067	.20522	-.00496	-.00475	-.00402	5.03558
.000	-.07497	.02144	.19615	-.00681	-.00652	-.00435	5.03530
2.000	-.07010	.02297	.18791	-.00776	-.00743	-.00573	5.03413
4.000	-.06418	.02323	.17926	-.00933	-.00893	-.00802	5.03218
GRADIENT	.00240	.00039	-.00441	-.00074	-.00071	-.00062	-.00053

LARC UPWT 1177(1A94B) OTSAT130 (MJW038) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07299	.01843	.17370	.00881	.02583	-.00186	5.03689
-6.000	-.07044	.01727	.16717	.00475	.01392	-.00290	5.03572
-4.000	-.06631	.01663	.15857	.00067	.00195	-.00397	5.03450
-2.000	-.06203	.01649	.15014	-.00473	-.00602	-.00546	5.03282
.000	-.05876	.01685	.14377	-.00862	-.01097	-.00678	5.03133
2.000	-.05446	.01717	.13767	-.01267	-.01614	-.00852	5.02936
4.000	-.05013	.01733	.13279	-.01517	-.01933	-.01113	5.02640
GRADIENT	.00200	.00010	-.00320	-.00198	-.00263	-.00087	-.00098

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05909	.01408	.14952	-.00258	-.00247	-.00015	5.03887
-6.000	-.05670	.01317	.14437	-.00305	-.00292	-.00007	5.03894
-4.000	-.05372	.01286	.13824	-.00338	-.00323	-.00079	5.03833
-2.000	-.04932	.01270	.13049	-.00513	-.00491	-.00193	5.03736
.000	-.04734	.01304	.12546	-.00548	-.00525	-.00273	5.03668
2.000	-.04216	.01378	.11791	-.00695	-.00664	-.00439	5.03527
4.000	-.03708	.01443	.11099	-.00860	-.00823	-.00625	5.03368
GRADIENT	.00202	.00021	-.00335	-.00061	-.00059	-.00067	-.00057

!ARC UPWT 1177(IA94B) OTSAT130 (MJW039) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00429	.00176	.01073	.00708	.02076	-.00260	5.03605
-6.000	-.00433	.00155	.01040	.00455	.01333	-.00324	5.03533
-4.000	-.00362	.00126	.00872	.00191	.00559	-.00446	5.03395
-2.000	-.00342	.00107	.00787	-.00410	-.00521	-.00547	5.03282
.000	-.00359	.00116	.00802	-.00835	-.01062	-.00620	5.03199
2.000	-.00443	.00138	.00877	-.01158	-.01474	-.00753	5.03048
4.000	-.00376	.00118	.00862	-.01246	-.01586	-.00989	5.02781
GRADIENT	-.00006	.00001	.00004	-.00181	-.00262	-.00065	-.00073

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00052	.00105	.00505	-.00114	-.00109	-.00059	5.03850
-6.000	-.00037	.00064	.00490	-.00091	-.00087	-.00044	5.03862
-4.000	-.00041	.00036	.00414	-.00114	-.00109	-.00050	5.03857
-2.000	-.00049	.00005	.00343	-.00378	-.00361	-.00128	5.03791
.000	-.00066	.00027	.00394	-.00780	-.00745	-.00195	5.03734
2.000	-.00092	.00010	.00413	-.00828	-.00792	-.00334	5.03616
4.000	-.00141	-.00007	.00425	-.00716	-.00685	-.00492	5.03481
GRADIENT	-.00012	-.00004	.00005	-.00083	-.00079	-.00054	-.00046

LARC UPWT 1177(IA94B) OTSAT130 (MJW040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06624	-.01544	-.15649	.01014	.02974	-.00361	5.03491
-6.000	.06361	-.01447	-.15165	.00542	.01589	-.00348	5.03506
-4.000	.06003	-.01403	-.14518	.00243	.00713	-.00326	5.03531
-2.000	.05630	-.01441	-.13871	-.00045	-.00058	-.00407	5.03439
.000	.05256	-.01514	-.13269	-.00396	-.00505	-.00507	5.03326
2.000	.04895	-.01574	-.12785	-.00772	-.00984	-.00685	5.03125
4.000	.04515	-.01591	-.12353	-.01243	-.01583	-.00968	5.02805
GRADIENT	-.00186	-.00025	.00271	-.00185	-.00276	-.00078	-.00088

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.05811	-.01271	-.14129	-.00243	-.00232	-.00045	5.03861
-6.000	.05669	-.01243	-.13856	-.00474	-.00454	-.00030	5.03875
-4.000	.05363	-.01215	-.13294	-.00517	-.00495	-.00035	5.03870
-2.000	.05022	-.01231	-.12717	-.00515	-.00493	-.00118	5.03800
.000	.04713	-.01343	-.12207	-.00542	-.00513	-.00144	5.03777
2.000	.04218	-.01447	-.11591	-.00709	-.00678	-.00271	5.03669
4.000	.03811	-.01502	-.11073	-.00784	-.00750	-.00328	5.03621
GRADIENT	-.00195	-.00039	.00278	-.00036	-.00035	-.00037	-.00031

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LARC UPWT 1177(IA94B) OTSAT130 (MJW041) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10069	-.02481	-.23737	.01395	.04092	-.00365	5.03487
-6.000	.09590	-.02329	-.22880	.01008	.02958	-.00380	5.03470
-4.000	.09041	-.02216	-.21917	.00689	.02023	-.00420	5.03425
-2.000	.08509	-.02225	-.20988	.00400	.01173	-.00457	5.03382
.000	.08126	-.02351	-.20308	.00052	.00152	-.00567	5.03258
2.000	.07761	-.02426	-.19733	-.00309	-.00394	-.00885	5.02898
4.000	.07397	-.02495	-.19219	-.00651	-.00830	-.01226	5.02512
GRADIENT	-.00202	-.00038	.00333	-.00170	-.00364	-.00102	-.00116

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09100	-.02119	-.21973	.00149	.00327	-.00040	5.03866
-6.000	.08621	-.02036	-.21165	-.00156	-.00149	-.00056	5.03852
-4.000	.08091	-.01957	-.20279	-.00246	-.00235	-.00039	5.03867
-2.000	.07680	-.01979	-.19539	-.00257	-.00246	-.00106	5.03810
.000	.07272	-.02146	-.18821	-.00331	-.00316	-.00128	5.03791
2.000	.06855	-.02269	-.18135	-.00408	-.00390	-.00285	5.03657
4.000	.06272	-.02313	-.17385	-.00491	-.00470	-.00424	5.03539
GRADIENT	-.00223	-.00050	.00360	-.00032	-.00031	-.00048	-.00040

LARC UPWT 1177(1A94B) OTSAT130 (MJW042) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11583	.03230	.28220	.00901	.03541	-.00600	3.63789
-6.000	-.11034	.03109	.27112	-.00294	-.00501	-.00851	3.63408
-4.000	-.10664	.03085	.26149	-.01292	-.02205	-.01070	3.63077
-2.000	-.10520	.03123	.25452	-.02436	-.04155	-.01219	3.62852
.000	-.10645	.03170	.25230	-.03636	-.06203	-.01266	3.62781
2.000	-.10737	.03211	.25021	-.04224	-.07205	-.01580	3.62304
4.000	-.10587	.03230	.24598	-.03829	-.06530	-.02316	3.61190
GRADIENT	-.00003	.00019	-.00177	-.00343	-.00585	-.00143	-.00216

LARC UPWT 1177(1A94B) OTSAT130 (MJW043) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07864	.02024	.18966	.01425	.05599	-.00420	3.64063
-6.000	-.07318	.01936	.17865	.00240	.00943	-.00695	3.63646
-4.000	-.06856	.01943	.16840	-.00848	-.01446	-.00903	3.63332
-2.000	-.06806	.02000	.16559	-.01937	-.03305	-.01024	3.63146
.000	-.06836	.02003	.16232	-.03073	-.05241	-.01076	3.63069
2.000	-.06870	.02072	.16073	-.03651	-.06226	-.01428	3.62535
4.000	-.06820	.02070	.15856	-.03482	-.05938	-.02142	3.61452
GRADIENT	.00000	.00016	-.00123	-.00349	-.00595	-.00144	-.00218

LARC UPWT 1177(IA94B) OTSAT130 (MJW044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00252	.00069	.00774	.02852	.11208	-.00491	3.63955
-6.000	-.00176	.00069	.00512	.01802	.07084	-.00771	3.63530
-4.000	-.00017	.00059	.00153	.00772	.03040	-.01035	3.63127
-2.000	.00071	.00019	.00022	-.00076	-.00129	-.01210	3.62861
.000	-.00014	.00006	.00121	-.00930	-.01590	-.01340	3.62663
2.000	-.00068	-.00013	.00099	-.01788	-.03054	-.01695	3.62125
4.000	-.00188	-.00015	.00317	-.02300	-.03929	-.02454	3.60973
GRADIENT	-.00024	-.00009	.00020	-.00393	-.00843	-.00166	-.00252

LARC UPWT 1177(IA94B) OTSAT130 (MJW045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07284	-.01794	-.17362	.04081	.16041	-.00267	3.64296
-6.000	.07047	-.01745	-.16930	.03334	.13103	-.00539	3.63883
-4.000	.06934	-.01793	-.16629	.02526	.09925	-.00862	3.63393
-2.000	.06850	-.01885	-.16259	.01670	.06566	-.01332	3.62679
.000	.06882	-.01956	-.16137	.00700	.02751	-.01778	3.62003
2.000	.06902	-.02034	-.15926	-.00194	-.00330	-.02158	3.61430
4.000	.06762	-.02069	-.15776	-.00568	-.00968	-.02700	3.60610
GRADIENT	-.00020	-.00035	.00102	-.00403	-.01434	-.00225	-.00341

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJW046) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11306	-.02969	-.26983	.04804	.18977	-.00189	3.64413
-6.000	.10896	-.02873	-.26269	.04081	.16033	-.00417	3.64068
-4.000	.10617	-.02901	-.25502	.03240	.12732	-.00703	3.63634
-2.000	.10600	-.03022	-.25195	.02365	.09293	-.01083	3.63059
.000	.10595	-.03101	-.24914	.01574	.06185	-.01557	3.62338
2.000	.10572	-.03158	-.24678	.00659	.02589	-.02219	3.61334
4.000	.10360	-.03209	-.24315	.00270	.01061	-.02615	3.60736
GRADIENT	-.00027	-.00038	.00145	-.00382	-.01502	-.00248	-.00376

LARC UPWT 1177(IA94B) OTSAT130 (MJW047) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11557	.03145	.28120	.00949	.03743	.02478	-9.46153
-6.000	-.11000	.03012	.26992	-.00286	-.00490	.02055	-9.47450
-4.000	-.10583	.02990	.25917	-.01282	-.02190	.01690	-9.48565
-2.000	-.10467	.03043	.25244	-.02363	-.04038	.01384	-9.49496
.000	-.10494	.03058	.24881	-.03530	-.06034	.01193	-9.50076
2.000	-.10649	.03099	.24835	-.04089	-.06987	.00877	-9.51036
4.000	-.10483	.03126	.24456	-.03616	-.06177	.00388	-9.52521
GRADIENT	.00001	.00016	-.00167	-.00320	-.00546	-.00156	-.00473

LARC UPWT 1177(IA94B) OTSAT130 (MJW048) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07838	.01976	.18865	.01445	.05690	.02524	-9.46028
-6.000	-.07314	.01889	.17893	.00257	.01014	.02058	-9.47442
-4.000	-.06848	.01881	.16943	-.00801	-.01370	.01733	-9.48430
-2.000	-.06760	.01921	.16456	-.01851	-.03161	.01452	-9.49290
.000	-.06772	.01918	.16132	-.03010	-.05135	.01251	-9.49907
2.000	-.06796	.01932	.15989	-.03686	-.06290	.00838	-9.51153
4.000	-.06784	.02029	.15834	-.03324	-.05669	.00390	-9.52518
GRADIENT	.00005	.00015	-.00134	-.00344	-.00586	-.00165	-.00502

LARC UPWT 1177(IA94B) OTSAT130 (MJW049) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00131	.00041	.00561	.02893	.11372	.02299	-9.46726
-6.000	-.00039	.00028	.00272	.01837	.07220	.01758	-9.48367
-4.000	.00065	.00020	.00154	.00809	.03175	.01254	-9.49903
-2.000	.00156	-.00011	-.00079	-.00070	-.00119	.00898	-9.50977
.000	.00182	-.00063	-.00263	-.00865	-.01476	.00675	-9.51652
2.000	.00111	-.00072	-.00188	-.01656	-.02834	.00353	-9.52627
4.000	.00072	-.00102	-.00138	-.02035	-.03477	-.00167	-9.53953
GRADIENT	-.00002	-.00015	-.00035	-.00364	-.00801	-.00169	-.00488

LARC UPWT 1177(IA94B) OTSAT130 (MJW050) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07550	-.01906	-.17942	.04163	.16453	.02437	-9.46267
-6.000	.07326	-.01862	-.17576	.03419	.13496	.01918	-9.47858
-4.000	.07159	-.01896	-.17103	.02612	.10297	.01421	-9.49378
-2.000	.07162	-.02003	-.16902	.01770	.06970	.00821	-9.51204
.000	.07181	-.02073	-.16815	.00869	.03421	.00232	-9.52994
2.000	.07122	-.02153	-.16593	.00001	.00004	-.00150	-9.53928
4.000	.07102	-.02198	-.16494	-.00313	-.00535	-.00475	-9.54422
GRADIENT	-.00008	-.00038	.00076	-.00381	-.01432	-.00238	-.00641

LARC UPWT 1177(IA94B) OTSAT130 (MJW051) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11497	-.03088	-.27360	.04831	.19030	.02559	-9.45920
-6.000	.11097	-.02953	-.26684	.04165	.16407	.02083	-9.47367
-4.000	.10860	-.02994	-.26081	.03317	.13062	.01528	-9.49058
-2.000	.10821	-.03140	-.25663	.02433	.09576	.00981	-9.50721
.000	.10729	-.03139	-.25173	.01728	.06803	.00464	-9.52291
2.000	.10749	-.03219	-.25024	.00828	.03260	-.00153	-9.53933
4.000	.10606	-.03290	-.24825	.00497	.01957	-.00407	-9.54318
GRADIENT	-.00029	-.00034	.00157	-.00362	-.01426	-.00250	-.00687

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJW052) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11687	.03243	.28192	-.07978	11.94469	.02343	-9.46585
-6.000	-.11152	.03139	.27122	-.08594	11.93420	.01904	-9.47919
-4.000	-.10765	.03122	.26195	-.09206	11.92376	.01536	-9.49037
-2.000	-.10664	.03186	.25528	-.09983	11.91049	.01250	-9.49904
.000	-.10754	.03205	.25202	-.10870	11.89534	.01058	-9.50486
2.000	-.10898	.03246	.25127	-.11225	11.88929	.00729	-9.51486
4.000	-.10710	.03269	.24660	-.10644	11.89933	.00269	-9.52883
GRADIENT	-.00006	.00018	-.00174	-.00206	-.00350	-.00153	-.00464

LARC UPWT 1177(IA94B) OTSAT130 (MJW053) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07827	.02056	.18812	-.07108	11.95965	.02360	-9.46537
-6.000	-.07306	.01979	.17839	-.07710	11.94941	.01901	-9.47933
-4.000	-.06978	.01992	.16939	-.08386	11.93782	.01568	-9.48941
-2.000	-.06884	.02043	.16485	-.09165	11.92455	.01258	-9.49882
.000	-.06804	.02020	.16015	-.09939	11.91134	.01057	-9.50492
2.000	-.06914	.02097	.16040	-.10255	11.90593	.00697	-9.51585
4.000	-.06907	.02124	.15900	-.09792	11.91394	.00261	-9.52909
GRADIENT	-.00000	.00016	-.00126	-.00195	-.00332	-.00159	-.00482

LARC UPWT 1177(IA94B) OTSAT130 (MJW054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00240	.00080	.00719	-.05011	11.99532	.02185	-9.47059
-6.000	-.00171	.00079	.00481	-.05482	11.98726	.01636	-9.48727
-4.000	-.00051	.00067	.00232	-.05954	11.97922	.01141	-9.50233
-2.000	.00040	.00038	.00048	-.06328	11.97289	.00769	-9.51363
.000	.00045	.00003	-.00026	-.06699	11.96657	.00521	-9.52117
2.000	.00043	-.00032	-.00143	-.07244	11.95738	.00214	-9.53050
4.000	-.00102	-.00023	.00091	-.07451	11.95388	-.00230	-9.54049
GRADIENT	-.00005	-.00012	-.00024	-.00195	-.00331	-.00165	-.00466

LARC UPWT 1177(IA94B) OTSAT130 (MJW055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07441	-.01849	-.17739	-.02691	12.03512	.02337	-9.46617
-6.000	.07211	-.01805	-.17291	-.03065	12.02874	.01817	-9.48192
-4.000	.07114	-.01869	-.17021	-.03418	12.02268	.01344	-9.49623
-2.000	.07046	-.01952	-.16683	-.03776	12.01603	.00784	-9.51324
.000	.07045	-.01997	-.16436	-.04318	12.00737	.00187	-9.53132
2.000	.06988	-.02073	-.16300	-.04769	11.99970	-.00219	-9.54032
4.000	.06994	-.02158	-.16234	-.04716	12.00051	-.00538	-9.54516
GRADIENT	-.00015	-.00035	.00098	-.00179	-.00306	-.00238	-.00625

LARC UPWT 1177(1A94B) OTSAT130 (MJW056) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11333	-.02994	-.27010	-.01731	12.05150	.02516	-9.46076
-6.000	.10956	-.02910	-.26321	-.01948	12.04779	.02008	-9.47612
-4.000	.10723	-.02945	-.25717	-.02276	12.04218	.01510	-9.49121
-2.000	.10648	-.03046	-.25278	-.02663	12.03560	.00994	-9.50689
.000	.10626	-.03107	-.24917	-.03126	12.02772	.00401	-9.52485
2.000	.10603	-.03175	-.24730	-.03722	12.01755	-.00217	-9.54029
4.000	.10452	-.03240	-.24435	-.03738	12.01726	-.00487	-9.54437
GRADIENT	-.00029	-.00036	.00156	-.00199	-.00339	-.00260	-.00699

LARC UPWT 1177(1A94B) OTSAT130 (MJW057) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11648	.03241	.28230	-.07751	11.94883	.00852	-4.69416
-6.000	-.11139	.03151	.27125	-.08367	11.93834	.00511	-4.70452
-4.000	-.10756	.03138	.26118	-.09006	11.92749	.00190	-4.71424
-2.000	-.10628	.03178	.25410	-.09796	11.91404	-.00037	-4.72057
.000	-.10735	.03223	.25215	-.10676	11.89909	-.00151	-4.72228
2.000	-.10879	.03266	.25115	-.11083	11.89216	-.00420	-4.72636
4.000	-.10656	.03266	.24545	-.10544	11.90130	-.00812	-4.73230
GRADIENT	-.00003	.00017	-.00172	-.00218	-.00371	-.00119	-.00209

LARC UPWT 1177(1A94B) OTSAT130 (MJW057) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10925	.02801	.26079	-.06713	11.99550	.01176	-4.69337
-6.000	-.10480	.02656	.25081	-.06618	11.99671	.01067	-4.69585
-4.000	-.09965	.02523	.24001	-.06911	11.99297	.00947	-4.69856
-2.000	-.09347	.02485	.22824	-.07452	11.98607	.00726	-4.70357
.000	-.08844	.02537	.21884	-.07603	11.98413	.00548	-4.70758
2.000	-.08629	.02631	.21457	-.08089	11.97798	.00343	-4.71223
4.000	-.08367	.02698	.21031	-.08122	11.97751	.00107	-4.71759
GRADIENT	.00196	.00025	-.00365	-.00153	-.00195	-.00103	-.00234

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09269	.02197	.23136	-.04656	12.03643	.01194	-4.69968
-6.000	-.08858	.02071	.22324	-.04353	12.03933	.01092	-4.70142
-4.000	-.08316	.02018	.21321	-.04012	12.04260	.00842	-4.70568
-2.000	-.07813	.02016	.20320	-.03838	12.04425	.00614	-4.70955
.000	-.07457	.02104	.19492	-.04237	12.04643	.00593	-4.70990
2.000	-.06956	.02252	.18643	-.04234	12.04046	.00506	-4.71139
4.000	-.06343	.02259	.17759	-.04412	12.03876	.00337	-4.71427
GRADIENT	.00240	.00036	-.00440	-.00060	-.00057	-.00056	-.00095

LARC UPWT 1177(IA94B) OTSAT130 (MJW058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07741	.02062	.18694	-.06902	11.96340	.00925	-4.69197
-6.000	-.07299	.01996	.17763	-.07502	11.95308	.00540	-4.70364
-4.000	-.06920	.02004	.16857	-.08161	11.94180	.00240	-4.71271
-2.000	-.06860	.02040	.16452	-.08929	11.92868	.00021	-4.71937
.000	-.06908	.02073	.16335	-.09709	11.91537	-.00114	-4.72173
2.000	-.06919	.02127	.16133	-.10052	11.90956	-.00377	-4.72572
4.000	-.06851	.02110	.15798	-.09609	11.91714	-.00748	-4.73134
GRADIENT	.00004	.00015	-.00122	-.00201	-.00342	-.00119	-.00218

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07309	.01820	.17365	-.04896	12.01868	.01243	-4.69187
-6.000	-.07071	.01708	.16761	-.04952	12.01797	.01096	-4.69519
-4.000	-.06678	.01637	.15936	-.05271	12.01390	.00951	-4.69848
-2.000	-.06241	.01629	.15074	-.05699	12.00845	.00755	-4.70292
.000	-.05885	.01661	.14415	-.06053	12.00393	.00571	-4.70707
2.000	-.05481	.01698	.13842	-.06917	11.99295	.00368	-4.71167
4.000	-.05024	.01711	.13306	-.06746	11.99511	.00189	-4.71571
GRADIENT	.00203	.00011	-.00325	-.00208	-.00265	-.00095	-.00216

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05912	.01364	.14957	-.03920	12.04348	.01077	-4.70166
-6.000	-.05671	.01283	.14439	-.03608	12.04646	.00980	-4.70332
-4.000	-.05372	.01251	.13829	-.03393	12.04852	.00855	-4.70545
-2.000	-.04956	.01241	.13055	-.03320	12.04921	.00736	-4.70748
.000	-.04704	.01274	.12492	-.03275	12.04965	.00650	-4.70894
2.000	-.04209	.01344	.11777	-.03409	12.04837	.00527	-4.71102
4.000	-.03687	.01392	.11066	-.03497	12.04752	.00396	-4.71327
GRADIENT	.00206	.00019	-.00340	-.00015	-.00014	-.00056	-.00096

LARC UPWT 1177(IA94B) OTSAT130 (MJW059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00018	.00022	.00240	-.04762	11.99963	.00831	-4.69476
-6.000	.00010	.00035	.00120	-.05243	11.99131	.00394	-4.70801
-4.000	.00137	.00023	-.00146	-.05721	11.98317	.00006	-4.71981
-2.000	.00280	-.00019	-.00475	-.06071	11.97725	-.00248	-4.72376
.000	.00248	-.00048	-.00411	-.06462	11.97056	-.00411	-4.72625
2.000	.00193	-.00065	-.00390	-.06932	11.96261	-.00635	-4.72964
4.000	.00107	-.00071	-.00297	-.07164	11.95869	-.01087	-4.73650
GRADIENT	-.00007	-.00012	-.00011	-.00187	-.00318	-.00129	-.00196

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00213	.00132	.00613	-.03819	12.03238	.00783	-4.70229
-6.000	-.00238	.00114	.00595	-.03684	12.03411	.00690	-4.70439
-4.000	-.00238	.00103	.00544	-.03811	12.03247	.00537	-4.70785
-2.000	-.00212	.00081	.00474	-.04282	12.02647	.00425	-4.71038
.000	-.00215	.00069	.00452	-.04558	12.02291	.00377	-4.71146
2.000	-.00293	.00078	.00544	-.04656	12.02170	.00243	-4.71451
4.000	-.00229	.00068	.00522	-.04798	12.01989	.00078	-4.71823
GRADIENT	-.00003	-.00004	.00001	-.00117	-.00150	-.00055	-.00124

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00113	.00053	.00105	-.03088	12.05142	.00674	-4.70852
-6.000	.00137	.00001	.00092	-.02814	12.05405	.00655	-4.70884
-4.000	.00124	-.00011	.00022	-.02723	12.05493	.00535	-4.71089
-2.000	.00107	-.00046	-.00040	-.02989	12.05237	.00423	-4.71279
.000	.00102	-.00035	.00011	-.03268	12.04971	.00370	-4.71370
2.000	.00031	-.00056	.00084	-.03118	12.05115	.00357	-4.71392
4.000	-.00028	-.00075	.00116	-.02825	12.05395	.00298	-4.71493
GRADIENT	-.00019	-.00007	.00016	-.00017	-.00016	-.00027	-.00046

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LARC UPWT 1177(IA94B) OTSAT130 (MJW060) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07510	-.01874	-.17837	-.02537	12.03771	.01042	-4.68839
-6.000	.07274	-.01817	-.17351	-.02891	12.03162	.00671	-4.69961
-4.000	.07141	-.01866	-.16952	-.03252	12.02541	.00282	-4.71143
-2.000	.07146	-.01969	-.16795	-.03606	12.01935	-.00214	-4.72325
.000	.07124	-.02022	-.16584	-.04106	12.01084	-.00680	-4.73032
2.000	.07059	-.02099	-.16401	-.04571	12.00289	-.00979	-4.73487
4.000	.07007	-.02142	-.16227	-.04546	12.00328	-.01277	-4.73941
GRADIENT	-.00018	-.00034	.00092	-.00178	-.00304	-.00194	-.00338

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06701	-.01545	-.15754	-.02898	12.04411	.00466	-4.70946
-6.000	.06396	-.01439	-.15230	-.02855	12.04466	.00408	-4.71077
-4.000	.06003	-.01397	-.14553	-.02818	12.04512	.00386	-4.71125
-2.000	.05653	-.01446	-.13909	-.02795	12.04542	.00303	-4.71315
.000	.05279	-.01517	-.13313	-.03009	12.04263	.00205	-4.71535
2.000	.04899	-.01573	-.12829	-.03312	12.03884	.00047	-4.71893
4.000	.04528	-.01598	-.12391	-.03626	12.03482	-.00109	-4.72124
GRADIENT	-.00185	-.00026	.00270	-.00107	-.00135	-.00062	-.00129

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.05998	-.01327	-.14648	-.02835	12.05387	.00619	-4.70948
-6.000	.05842	-.01304	-.14234	-.02703	12.05512	.00609	-4.70963
-4.000	.05470	-.01260	-.13560	-.02532	12.05676	.00543	-4.71076
-2.000	.05136	-.01276	-.13013	-.02359	12.05842	.00466	-4.71207
.000	.04858	-.01390	-.12524	-.02226	12.05969	.00401	-4.71318
2.000	.04328	-.01488	-.11848	-.02294	12.05905	.00284	-4.71516
4.000	.03955	-.01564	-.11409	-.02300	12.05898	.00236	-4.71598
GRADIENT	-.00192	-.00041	.00273	.00026	.00025	-.00040	-.00068

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11332	-.03000	-.26958	-.01616	12.05339	.01199	-4.68356
-6.000	.11015	-.02925	-.26353	-.01786	12.05047	.00848	-4.69423
-4.000	.10711	-.02954	-.25610	-.02121	12.04475	.00450	-4.70632
-2.000	.10686	-.03068	-.25261	-.02501	12.03824	.00026	-4.71920
.000	.10640	-.03114	-.24899	-.02934	12.03083	-.00450	-4.72684
2.000	.10608	-.03171	-.24664	-.03538	12.02052	-.00990	-4.73505
4.000	.10445	-.03231	-.24348	-.03570	12.01999	-.01221	-4.73855
GRADIENT	-.00031	-.00033	.00156	-.00197	-.00336	-.00218	-.00402

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10229	-.02505	-.24120	-.02278	12.05200	.00341	-4.71227
-6.000	.09722	-.02345	-.23184	-.02170	12.05337	.00309	-4.71302
-4.000	.09203	-.02243	-.22225	-.02123	12.05396	.00252	-4.71429
-2.000	.08653	-.02257	-.21314	-.02115	12.05407	.00182	-4.71589
.000	.08238	-.02359	-.20590	-.02249	12.05236	.00119	-4.71731
2.000	.07892	-.02451	-.20032	-.02383	12.05066	-.00085	-4.72097
4.000	.07536	-.02530	-.19520	-.02533	12.04875	-.00264	-4.72299
GRADIENT	-.00205	-.00038	.00335	-.00054	-.00069	-.00065	-.00112

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09306	-.02167	-.22473	-.02373	12.05828	.00508	-4.71136
-6.000	.08747	-.02069	-.21491	-.02333	12.05866	.00495	-4.71157
-4.000	.08258	-.02009	-.20671	-.02177	12.06015	.00455	-4.71226
-2.000	.07852	-.02044	-.19960	-.01915	12.06266	.00397	-4.71325
.000	.07418	-.02198	-.19185	-.01735	12.06439	.00341	-4.71419
2.000	.06991	-.02329	-.18490	-.01685	12.06486	.00252	-4.71571
4.000	.06396	-.02359	-.17705	-.01666	12.06504	.00209	-4.71644
GRADIENT	-.00229	-.00049	.00370	.00053	.00060	-.00032	-.00054

LARC UPWT 1177(IA948) OTSAT130 (MJW062) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10905	.02763	.26103	-.06836	11.99390	.00328	.00742
-6.000	-.10455	.02615	.25119	-.06750	11.99498	.00244	.00553
-4.000	-.09920	.02480	.24011	-.07004	11.99174	.00148	.00335
-2.000	-.09302	.02446	.22833	-.07478	11.98568	-.00014	-.00016
.000	-.08818	.02497	.21892	-.07612	11.98399	-.00184	-.00209
2.000	-.08534	.02561	.21295	-.08137	11.97731	-.00384	-.00435
4.000	-.08338	.02655	.20964	-.08106	11.97781	-.00607	-.00687
GRADIENT	.00197	.00023	-.00382	-.00143	-.00181	-.00094	-.00123

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09272	.02187	.23214	-.04807	12.03502	.00567	.00963
-6.000	-.08764	.02038	.22164	-.04530	12.03766	.00467	.00794
-4.000	-.08242	.02000	.21247	-.04171	12.04110	.00227	.00386
-2.000	-.07728	.01992	.20222	-.03990	12.04282	.00046	.00078
.000	-.07347	.02070	.19380	-.04436	12.03856	.00106	.00181
2.000	-.06893	.02235	.18589	-.04435	12.03858	-.00029	-.00025
4.000	-.06292	.02241	.17709	-.04623	12.03677	-.00237	-.00201
GRADIENT	.00237	.00036	-.00435	-.00067	-.00065	-.00050	-.00064

LARC UPWT 1177(IA948) OTSAT130 (MJW063) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07157	.01731	.17082	-.04917	12.01839	.00476	.01078
-6.000	-.06911	.01621	.16472	-.04948	12.01799	.00337	.00764
-4.000	-.06534	.01559	.15649	-.05250	12.01416	.00214	.00485
-2.000	-.06102	.01545	.14785	-.05730	12.00805	.00050	.00113
.000	-.05726	.01582	.14087	-.06080	12.00357	-.00116	-.00131
2.000	-.05299	.01620	.13478	-.06907	11.99304	-.00259	-.00293
4.000	-.04834	.01629	.12902	-.06709	11.99556	-.00489	-.00554
GRADIENT	.00210	.00011	-.00340	-.00205	-.00261	-.00086	-.00124

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05759	.01301	.14644	-.04025	12.04248	.00529	.00900
-6.000	-.05460	.01203	.14020	-.03740	12.04520	.00495	.00842
-4.000	-.05147	.01160	.13402	-.03511	12.04739	.00387	.00659
-2.000	-.04730	.01159	.12632	-.03402	12.04844	.00282	.00479
.000	-.04512	.01206	.12120	-.03449	12.04793	.00197	.00335
2.000	-.04017	.01269	.11405	-.03498	12.04753	.00063	.00108
4.000	-.03545	.01328	.10768	-.03569	12.04683	-.00092	-.00078
GRADIENT	.00196	.00022	-.00325	-.00011	-.00010	-.00059	-.00092

LARC UPWT 1177(IA94B) OTSAT130 (MJW064) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00373	.00124	.00987	-.03975	12.03037	.00131	.00296
-6.000	-.00350	.00087	.00869	-.03800	12.03260	.00090	.00204
-4.000	-.00302	.00068	.00728	-.03957	12.03060	-.00049	-.00055
-2.000	-.00297	.00046	.00660	-.04444	12.02437	-.00131	-.00148
.000	-.00267	.00032	.00579	-.04726	12.02078	-.00192	-.00217
2.000	-.00310	.00034	.00603	-.04785	12.02005	-.00329	-.00373
4.000	-.00262	.00025	.00587	-.04858	12.01912	-.00489	-.00553
GRADIENT	.00003	-.00005	-.00017	-.00107	-.00136	-.00054	-.00061

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00240	-.00025	-.00165	-.03228	12.05010	.00323	.00550
-6.000	.00226	-.00054	-.00122	-.02914	12.05314	.00301	.00512
-4.000	.00220	-.00066	-.00190	-.02774	12.05447	.00206	.00351
-2.000	.00197	-.00083	-.00250	-.03056	12.05176	.00114	.00195
.000	.00201	-.00090	-.00241	-.03360	12.04885	.00052	.00089
2.000	.00153	-.00120	-.00227	-.03192	12.05046	.00012	.00020
4.000	.00108	-.00139	-.00205	-.02893	12.05332	-.00074	-.00063
GRADIENT	-.00013	-.00009	-.00000	-.00019	-.00018	-.00033	-.00050

LARC UPWT 1177(1A94B) OTSAT130 (MJW065) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06601	-.01589	-.15552	-.03059	12.04203	-.00101	-.00114
-6.000	.06319	-.01491	-.15065	-.03017	12.04256	-.00104	-.00117
-4.000	.05975	-.01468	-.14693	-.02980	12.04305	-.00094	-.00107
-2.000	.05599	-.01501	-.13778	-.02939	12.04356	-.00097	-.00110
.000	.05233	-.01571	-.13192	-.03143	12.04098	-.00173	-.00196
2.000	.04858	-.01623	-.12725	-.03445	12.03715	-.00381	-.00432
4.000	.04498	-.01660	-.12332	-.03741	12.03335	-.00572	-.00647
GRADIENT	-.00185	-.00025	.00265	-.00101	-.00129	-.00062	-.00070

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06139	-.01419	-.14975	-.02899	12.05324	.00247	.00421
-6.000	.05939	-.01382	-.14448	-.02770	12.05448	.00264	.00449
-4.000	.05614	-.01357	-.13871	-.02598	12.05613	.00242	.00412
-2.000	.05243	-.01355	-.13287	-.02444	12.05760	.00182	.00311
.000	.04981	-.01474	-.12819	-.02315	12.05883	.00135	.00230
2.000	.04490	-.01590	-.12219	-.02381	12.05820	-.00016	-.00014
4.000	.04083	-.01647	-.11707	-.02389	12.05812	-.00064	-.00054
GRADIENT	-.00191	-.00041	.00270	.00024	.00023	-.00041	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJW066) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10282	-.02588	-.24272	-.02415	12.05023	-.00086	-.00098
-6.000	.09795	-.02438	-.23414	-.02308	12.05159	-.00091	-.00103
-4.000	.09258	-.02329	-.22443	-.02230	12.05259	-.00116	-.00131
-2.000	.08745	-.02350	-.21548	-.02212	12.05281	-.00135	-.00153
.000	.08340	-.02463	-.20834	-.02343	12.05115	-.00220	-.00250
2.000	.07947	-.02529	-.20182	-.02455	12.04972	-.00497	-.00563
4.000	.07649	-.02627	-.19760	-.02570	12.04824	-.00747	-.00846
GRADIENT	-.00201	-.00039	.00337	-.00046	-.00059	-.00081	-.00092

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09338	-.02239	-.22518	-.02486	12.05720	.00265	.00450
-6.000	.08775	-.02142	-.21543	-.02446	12.05759	.00251	.00428
-4.000	.08312	-.02084	-.20744	-.02290	12.05908	.00253	.00430
-2.000	.07884	-.02104	-.19963	-.02027	12.06158	.00212	.00360
.000	.07466	-.02269	-.19236	-.01854	12.06315	.00165	.00280
2.000	.07037	-.02403	-.18565	-.01843	12.06336	.00015	.00025
4.000	.06447	-.02431	-.17777	-.01796	12.06381	-.00075	-.00064
GRADIENT	-.00229	-.00050	.00367	.00059	.00056	-.00043	-.00066

LARC UPWT 1177(IA94B) OTSAT130 (MJW067) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.10857	.02823	.25949	-.06642	11.99645	-.00605	5.03215
-6.000	-.10437	.02680	.24991	-.06541	11.99772	-.00672	5.03140
-4.000	-.09962	.02569	.24018	-.06801	11.99440	-.00757	5.03043
-2.000	-.09306	.02513	.22746	-.07265	11.98850	-.00885	5.02898
.000	-.08830	.02576	.21881	-.07382	11.98702	-.01041	5.02722
2.000	-.08581	.02647	.21353	-.07883	11.98066	-.01246	5.02490
4.000	-.08299	.02709	.20833	-.07843	11.98118	-.01539	5.02159
GRADIENT	.00203	.00021	-.00388	-.00135	-.00171	-.00096	-.00109

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.09212	.02255	.22948	-.04621	12.03682	-.00338	5.03612
-6.000	-.09832	.02141	.22243	-.04295	12.03994	-.00442	5.03524
-4.000	-.08285	.02064	.21242	-.03973	12.04302	-.00580	5.03407
-2.000	-.07800	.02070	.20250	-.03755	12.04510	-.00758	5.03256
.000	-.07385	.02134	.19372	-.04233	12.04053	-.00659	5.03340
2.000	-.06923	.02299	.18553	-.04187	12.04097	-.00773	5.03243
4.000	-.06325	.02314	.17675	-.04359	12.03932	-.01061	5.02998
GRADIENT	.00240	.00036	-.00442	-.00060	-.00058	-.00049	-.00042

LARC UPWT 1177(IA94B) OTSAT130 (MJW068) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.07264	.01838	.17282	-.04727	12.02084	-.00367	5.03484
-6.000	-.07008	.01721	.16659	-.04763	12.02039	-.00462	5.03377
-4.000	-.06615	.01658	.15805	-.05078	12.01637	-.00577	5.03247
-2.000	-.06167	.01645	.14892	-.05545	12.01041	-.00737	5.03067
.000	-.05841	.01682	.14308	-.05910	12.00578	-.00908	5.02873
2.000	-.05408	.01701	.13682	-.06746	11.99515	-.01089	5.02669
4.000	-.04949	.01713	.13122	-.06510	11.99817	-.01373	5.02348
GRADIENT	.00205	.00008	-.00329	-.00203	-.00258	-.00097	-.00110

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.05942	.01427	.14981	-.03877	12.04392	-.00285	5.03658
-6.000	-.05664	.01330	.14399	-.03570	12.04687	-.00278	5.03664
-4.000	-.05379	.01303	.13846	-.03332	12.04914	-.00324	5.03625
-2.000	-.04949	.01290	.13027	-.03257	12.04986	-.00406	5.03555
.000	-.04725	.01335	.12500	-.03212	12.05023	-.00488	5.03485
2.000	-.04215	.01388	.11749	-.03346	12.04900	-.00638	5.03358
4.000	-.03692	.01429	.11016	-.03434	12.04816	-.00853	5.03175
GRADIENT	.00206	.00017	-.00347	-.00015	-.00014	-.00065	-.00055

LARC UPWT 1177(IA948) OTSAT130 (MJW069) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00429	.00190	.01097	-.04040	12.02961	-.00553	5.03275
-6.000	-.00437	.00168	.01035	-.03871	12.03175	-.00581	5.03243
-4.000	-.00380	.00144	.00878	-.04000	12.03009	-.00726	5.03079
-2.000	-.00372	.00121	.00837	-.04481	12.02399	-.00825	5.02967
.000	-.00386	.00120	.00816	-.04771	12.02035	-.00877	5.02909
2.000	-.00402	.00121	.00788	-.04832	12.01956	-.01045	5.02719
4.000	-.00340	.00092	.00738	-.04934	12.01818	-.01257	5.02478
GRADIENT	.00003	-.00005	-.00016	-.00111	-.00141	-.00064	-.00073

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.00055	.00069	.00224	-.03050	12.05182	-.00316	5.03631
-6.000	.00056	.00037	.00213	-.02755	12.05465	-.00286	5.03657
-4.000	.00083	.00006	.00090	-.02639	12.05576	-.00303	5.03642
-2.000	.00075	-.00024	.00022	-.02923	12.05304	-.00393	5.03566
.000	.00084	-.00025	.00019	-.03226	12.05015	*.00495	5.03479
2.000	.00014	-.00029	.00125	-.03083	12.05153	-.00577	5.03409
4.000	-.00044	-.00041	.00171	-.02753	12.05468	-.00694	5.03310
GRADIENT	-.00016	-.00005	.00013	-.00019	-.00018	-.00048	-.00041

LARC UPWT 1177(IA94B) OTSAT130 (MJW070) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06651	-.01565	-.15744	-.02875	12.04439	-.00676	5.03135
-6.000	.06371	-.01471	-.15236	-.02836	12.04488	-.00651	5.03163
-4.000	.06001	-.01433	-.14565	-.02787	12.04551	-.00599	5.03222
-2.000	.05607	-.01461	-.13867	-.02761	12.04585	-.00654	5.03160
.000	.05247	-.01542	-.13307	-.02959	12.04331	-.00775	5.03023
2.000	.04866	-.01590	-.12821	-.03261	12.03948	-.01076	5.02682
4.000	.04507	-.01618	-.12393	-.03536	12.03598	-.01373	5.02347
GRADIENT	-.00187	-.00025	..00269	-.00100	-.00127	-.00098	-.00111

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.05953	-.01340	-.14541	-.02719	12.05497	-.00255	5.03683
-6.000	.05772	-.01286	-.14127	-.02613	12.05600	-.00258	5.03680
-4.000	.05455	-.01265	-.13554	-.02444	12.05760	-.00240	5.03696
-2.000	.05110	-.01282	-.12981	-.02269	12.05929	-.00288	5.03655
.000	.04828	-.01392	-.12463	-.02159	12.06031	-.00358	5.03595
2.000	.04323	-.01506	-.11853	-.02210	12.05985	-.00547	5.03434
4.000	.03902	-.01546	-.11300	-.02209	12.05986	-.00625	5.03368
GRADIENT	-.00195	-.00039	.00282	.00026	.00025	-.00052	-.00044

LARC UPWT 1177(IA94B) OTSAT130 (MJW071) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10178	-.02538	-.24055	-.02283	12.05193	-.00619	5.03199
-6.000	.09714	-.02394	-.23200	-.02179	12.05324	-.00613	5.03206
-4.000	.09185	-.02288	-.22241	-.02086	12.05443	-.00637	5.03178
-2.000	.08637	-.02298	-.21314	-.02075	12.05458	-.00670	5.03141
.000	.08229	-.02408	-.20585	-.02199	12.05301	-.00795	5.03000
2.000	.07860	-.02478	-.19989	-.02304	12.05166	-.01186	5.02558
4.000	.07535	-.02558	-.19520	-.02470	12.04954	-.01559	5.02135
GRADIENT	-.00204	-.00036	.00338	-.00050	-.00063	-.00118	-.00133

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.09300	-.02189	-.22428	-.02330	12.05871	-.00267	5.03673
-6.000	.08733	-.02096	-.21500	-.02266	12.05931	-.00272	5.03668
-4.000	.08216	-.02019	-.20589	-.02110	12.06081	-.00239	5.03697
-2.000	.07856	-.02059	-.19953	-.01847	12.06332	-.00299	5.03645
.000	.07426	-.02217	-.19198	-.01684	12.06483	-.00346	5.03606
2.000	.06979	-.02357	-.18510	-.01658	12.06513	-.00552	5.03430
4.000	.06368	-.02361	-.17647	-.01627	12.06543	-.00671	5.03329
GRADIENT	-.00229	-.00049	.00366	.00058	.00055	-.00056	-.00048

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LARC UPWT 1177(1A94B) OTSAT130 (MJW072) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11661	.03280	.28248	-.07686	11.94975	-.01008	3.63170
-6.000	-.11177	.03191	.27239	-.08335	11.93871	-.01253	3.62799
-4.000	-.10784	.03175	.26181	-.08952	11.92831	-.01487	3.62446
-2.000	-.10678	.03218	.25538	-.09752	11.91461	-.01637	3.62217
.000	-.10715	.03230	.25153	-.10721	11.89797	-.01701	3.62119
2.000	-.10860	.03268	.25072	-.11042	11.89255	-.01989	3.61682
4.000	-.10621	.03268	.24485	-.10479	11.90214	-.02521	3.60876
GRADIENT	.00007	.00012	-.00193	-.00217	-.00372	-.00121	-.00184

LARC UPWT 1177(1A94B) OTSAT130 (MJW073) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07773	.02080	.18739	-.06833	11.96445	-.00826	3.63447
-6.000	-.07321	.02011	.17862	-.07445	11.95402	-.01089	3.63049
-4.000	-.06900	.02006	.16819	-.08102	11.94278	-.01288	3.62747
-2.000	-.06862	.02048	.16416	-.08888	11.92937	-.01422	3.62543
.000	-.06829	.02055	.16141	-.09711	11.91520	-.01523	3.62388
2.000	-.06888	.02113	.16056	-.10008	11.90993	-.01839	3.61906
4.000	-.06816	.02111	.15764	-.09516	11.91833	-.02338	3.61148
GRADIENT	.00007	.00014	-.00124	-.00197	-.00342	-.00126	-.00192

LARC UPWT 1177(IA94B) OTSAT130 (MJW074) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00064	.00047	.00285	-.04587	12.00265	-.00850	3.63409
-6.000	.00033	.00033	.00020	-.05089	11.99402	-.01123	3.62993
-4.000	.00138	.00028	-.00140	-.05583	11.98559	-.01361	3.62633
-2.000	.00217	-.00000	-.00291	-.05932	11.97975	-.01569	3.62320
.000	.00239	-.00042	-.00415	-.06286	11.97367	-.01715	3.62097
2.000	.00189	-.00057	-.00367	-.06811	11.96477	-.01982	3.61694
4.000	.00105	-.00071	-.00249	-.07090	11.96009	-.02534	3.60859
GRADIENT	-.00005	-.00013	-.00015	-.00195	-.00330	-.00138	-.00209

LARC UPWT 1177(IA94B) OTSAT130 (MJW075) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07524	-.01871	-.17850	-.02378	12.04032	-.00404	3.64086
-6.000	.07317	-.01827	-.17442	-.02730	12.03429	-.00636	3.63733
-4.000	.07112	-.01866	-.16882	-.03116	12.02774	-.00995	3.63189
-2.000	.07101	-.01959	-.16712	-.03475	12.02164	-.01438	3.62516
.000	.07105	-.02012	-.16531	-.04005	12.01259	-.01896	3.61820
2.000	.06978	-.02068	-.16259	-.04455	12.00490	-.02323	3.61173
4.000	.06969	-.02133	-.16120	-.04426	12.00543	-.02771	3.60496
GRADIENT	-.00020	-.00032	.00099	-.00180	-.00307	-.00222	-.00336

LARC UPWT 1177(IA94B) OTSAT130 (MJW076) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11398	-.03011	-.27088	-.01435	12.05646	-.00301	3.64242
-6.000	.11076	-.02936	-.26448	-.01632	12.05310	-.00491	3.63953
-4.000	.10756	-.02965	-.25622	-.01995	12.04688	-.00777	3.63520
-2.000	.10656	-.03060	-.25104	-.02417	12.03968	-.01181	3.62906
.000	.10636	-.03111	-.24823	-.02849	12.03231	-.01553	3.62189
2.000	.10614	-.03173	-.24653	-.03387	12.02312	-.02308	3.61195
4.000	.10410	-.03215	-.24224	-.03427	12.02247	-.02650	3.60677
GRADIENT	-.00037	-.00031	.00162	-.00192	-.00327	-.00244	-.00370

LARC UPWT 1177(IA94B) OTSAT130 (MJWA01) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.02710	-.00424	-.00501	-.11599	.03200	.28160	-.05725	.02785
-6.000	8.00000	-10.00000	-.02043	-.00293	-.00462	-.11095	.03080	.27087	-.06432	.02331
-4.000	8.00000	-10.00000	-.01242	-.00147	-.00405	-.10718	.03069	.26061	-.07067	.01943
-2.000	8.00000	-10.00000	-.00159	.00032	-.00341	-.10591	.03117	.25367	-.07845	.01645
.000	8.00000	-10.00000	.00883	.00204	-.00285	-.10618	.03126	.25007	-.08778	.01449
2.000	8.00000	-10.00000	.01675	.00363	-.00256	-.10784	.03189	.25005	-.09245	.01137
4.000	8.00000	-10.00000	.02756	.00563	-.00195	-.10523	.03175	.24392	-.08663	.00712
GRADIENT	.00000	.00000	.00491	.00088	.00025	.00310	.00014	-.00185	-.00230	-.00149

LARC UPWT 1177(IA94B) OTSAT130 (MJWA02) (10 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.03054	-.00460	-.00697	-.07713	.01990	.18679	-.04944	.02819
-6.000	8.00000	-10.00000	-.02291	-.00312	-.00652	-.07259	.01911	.17737	-.05639	.02313
-4.000	8.00000	-10.00000	-.01532	-.00165	-.00615	-.06879	.01928	.16865	-.06323	.01919
-2.000	8.00000	-10.00000	-.00638	.00000	-.00582	-.06857	.01997	.16443	-.07075	.01638
.000	8.00000	-10.00000	.00108	.00135	-.00597	-.06765	.01969	.16061	-.07942	.01448
2.000	8.00000	-10.00000	.00725	.00264	-.00593	-.06786	.02025	.15867	-.08280	.01108
4.000	8.00000	-10.00000	.01461	.00437	-.00590	-.06746	.02036	.15714	-.07920	.00689
GRADIENT	.00000	.00000	.00367	.00073	.00002	.00017	.00012	-.09144	-.00220	-.00150

LARC UPWT 1177(IA94B) OTSAT130 (MJWA03) (10 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.01221	-.00351	-.00381	.00088	-.00017	.00020	-.03004	.02584
-6.000	8.00000	-10.00000	-.00294	-.00184	-.00320	.00163	-.00024	-.00186	-.03620	.02033
-4.000	8.00000	-10.00000	.00531	-.00036	-.00302	.00254	-.00029	-.00390	-.04220	.01511
-2.000	8.00000	-10.00000	.01206	.00092	-.00316	.00307	-.00042	-.00476	-.04632	.01111
.000	8.00000	-10.00000	.01684	.00200	-.00367	.00313	-.00078	-.00575	-.05047	.00854
2.000	8.00000	-10.00000	.02524	.00346	-.00340	.00266	-.00103	-.00589	-.05619	.00587
4.000	8.00000	-10.00000	.03123	.00491	-.00421	.00148	-.00118	-.00341	-.05905	.00139
GRADIENT	.00000	.00000	.00325	.00065	-.00013	-.00013	-.00012	-.00001	-.00218	-.00163

LARC UPWT 1177(IA94B) OTSAT130 (MJWA04) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.03184	-.00485	-.01228	.07533	-.01909	-.17909	-.01094	.02798
-6.000	8.00000	-10.00000	-.02246	-.00323	-.01196	.07394	-.01880	-.17655	-.01502	.02270
-4.000	8.00000	-10.00000	-.01386	-.00177	-.01163	.07182	-.01910	-.17126	-.01977	.01734
-2.000	8.00000	-10.00000	-.00533	-.00024	-.01125	.07169	-.01999	-.16892	-.02438	.01140
.000	8.00000	-10.00000	.00138	.00100	-.01117	.07199	-.02063	-.16772	-.02995	.00528
2.000	8.00000	-10.00000	.00894	.00242	-.01117	.07187	-.02166	-.16747	-.03485	.00167
4.000	8.00000	-10.00000	.01780	.00423	-.01097	.07009	-.02183	-.16253	-.03575	-.00151
GRADIENT	.00000	.00000	.00388	.00073	.00007	-.00016	-.00036	.00094	-.00212	-.00237

LARC UPWT 1177(IA94B) OTSAT130 (MJWA05) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.03783	-.00516	-.01461	.11497	-.03061	-.27323	-.00225	.02913
-6.000	8.00000	-10.00000	-.02758	-.00348	-.01393	.11176	-.02974	-.26692	-.00525	.02424
-4.000	8.00000	-10.00000	-.01787	-.00180	-.01352	.10867	-.02986	-.25931	-.00955	.01894
-2.000	8.00000	-10.00000	-.00819	-.00016	-.01297	.10757	-.03079	-.25403	-.01441	.01346
.000	8.00000	-10.00000	-.00028	.00113	-.01275	.10719	-.03136	-.25087	-.01960	.00766
2.000	8.00000	-10.00000	.00692	.00247	-.01291	.10727	-.03220	-.24961	-.02584	.00159
4.000	8.00000	-10.00000	.01782	.00446	-.01215	.10556	-.03291	-.24656	-.02677	-.00119
GRADIENT	.00000	.00000	.00432	.00076	.00014	-.00033	-.00038	.00150	-.00229	-.00261

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LARC UPWT 1177(IA94B) OTSAT130 (MJWA06) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.01466	-.00298	-.00377	-.11582	.03215	.28093	-.05615	.01066
-6.000	8.00000	-5.00000	-.00734	-.00169	-.00307	-.11063	.03091	.26951	-.06315	.00730
-4.000	8.00000	-5.00000	.00133	-.00021	-.00226	-.10648	.03071	.25897	-.06985	.00408
-2.000	8.00000	-5.00000	.01211	.00158	-.00146	-.10577	.03132	.25294	-.07832	.00183
.000	8.00000	-5.00000	.02263	.00332	-.00077	-.10647	.03168	.25035	-.08785	.00050
2.000	8.00000	-5.00000	.03012	.00482	-.00057	-.10768	.03211	.24927	-.09196	-.00214
4.000	8.00000	-5.00000	.04215	.00697	.00032	-.10594	.03215	.24468	-.08686	-.00699
GRADIENT	.00000	.00000	.00498	.00088	.00030	-.00004	.00018	-.00161	-.00238	-.00131

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	.00881	-.00052	-.00115	-.10820	.02783	.25901	-.04694	.01430
-6.000	8.00000	-5.00000	.01151	-.00006	-.00048	-.10401	.02630	.24959	-.04712	.01311
-4.000	8.00000	-5.00000	.01382	.00059	-.00015	-.09905	.02500	.23909	-.04974	.01177
-2.000	8.00000	-5.00000	.01551	.00087	.00009	-.09261	.02462	.22697	-.05286	.00925
.000	8.00000	-5.00000	.01695	.00133	-.00011	-.08814	.02531	.21877	-.05479	.00722
2.000	8.00000	-5.00000	.02179	.00226	.00036	-.08525	.02586	.21303	-.06037	.00517
4.000	8.00000	-5.00000	.02832	.00334	.00098	-.08294	.02662	.20897	-.06076	.00242
GRADIENT	.00000	.00000	.00176	.00034	.00013	.00198	.00022	-.00371	-.00148	-.00114

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.02957	-.00288	-.01239	-.09285	.02216	.23177	-.03270	.01448
-6.000	8.00000	-5.00000	-.02825	-.00253	-.01185	-.08823	.02064	.22313	-.03068	.01315
-4.000	8.00000	-5.00000	-.02490	-.00185	-.01149	-.08286	.02002	.21284	-.02870	.01074
-2.000	8.00000	-5.00000	-.02304	-.00143	-.01100	-.07816	.02003	.20317	-.02856	.00803
.000	8.00000	-5.00000	-.02283	-.00126	-.01091	-.07442	.02109	.19515	-.03105	.00783
2.000	8.00000	-5.00000	-.02083	-.00089	-.01067	-.06949	.02255	.18674	-.03178	.00689
4.000	8.00000	-5.00000	-.01559	-.00008	-.00995	-.06327	.02250	.17745	-.03341	.00505
GRADIENT	.00000	.00000	.00104	.00020	.00017	.00239	.00037	-.00436	-.00063	-.00063

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LARC UPWT 1177(1A94B) OTSAT130 (MJWA07) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.01485	-.00314	-.00465	-.07722	.02037	.18669	-.04908	.01164
-6.000	8.00000	-5.00000	-.00722	-.00165	-.00404	-.07314	.01971	.17800	-.05613	.00780
-4.000	8.00000	-5.00000	.00142	-.00011	-.00342	-.06865	.01960	.16769	-.06278	.00469
-2.000	8.00000	-5.00000	.01057	.00146	-.00296	-.06806	.02000	.16334	-.07061	.00245
.000	8.00000	-5.00000	.01783	.00275	-.00289	-.06850	.02035	.16247	-.07916	.00123
2.000	8.00000	-5.00000	.02362	.00396	-.00282	-.06822	.02069	.15951	-.08252	-.00187
4.000	8.00000	-5.00000	.03268	.00589	-.00258	-.06796	.02071	.15742	-.07873	-.00646
GRADIENT	.00000	.00000	.00378	.00072	.00009	.00006	.00015	-.00122	-.00219	-.00133

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	.00617	-.00115	-.00150	-.07206	.01790	.17144	-.03127	.01422
-6.000	8.00000	-5.00000	.00807	-.00059	-.00123	-.06971	.01674	.16560	-.03237	.01272
-4.000	8.00000	-5.00000	.01069	.00002	-.00100	-.06603	.01616	.15764	-.03560	.01115
-2.000	8.00000	-5.00000	.01522	.00072	-.00029	-.06181	.01619	.14931	-.04012	.00901
.000	8.00000	-5.00000	.02025	.00157	.00008	-.05830	.01652	.14303	-.04354	.00719
2.000	8.00000	-5.00000	.02214	.00225	.00005	-.05368	.01663	.13622	-.05103	.00532
4.000	8.00000	-5.00000	.02854	.00343	.00049	-.04930	.01676	.13116	-.05039	.00276
GRADIENT	.00000	.00000	.00213	.00042	.00017	.00208	.00008	-.00330	-.00202	-.00102

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.03091	-.00336	-.01284	-.05895	.01382	.14888	-.02848	.01337
-6.000	8.00000	-5.00000	-.03047	-.00311	-.01236	-.05613	.01276	.14328	-.02684	.01238
-4.000	8.00000	-5.00000	-.02716	-.00248	-.01199	-.05293	.01228	.13638	-.02532	.01084
-2.000	8.00000	-5.00000	-.02528	-.00202	-.01148	-.04929	.01238	.12985	-.02545	.00951
.000	8.00000	-5.00000	-.02333	-.00137	-.01111	-.04688	.01282	.12462	-.02449	.00820
2.000	8.00000	-5.00000	-.01915	-.00063	-.01052	-.04173	.01330	.11714	-.02620	.00678
4.000	8.00000	-5.00000	-.01689	-.00013	-.01044	-.03673	.01383	.11027	-.02763	.00532
GRADIENT	.00000	.00000	.00133	.00030	.00020	.00200	.00020	-.00325	-.00027	-.00069

LARC UPWT 1177(IA948) OTSAT130 (MJWA08) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.00352	-.00238	-.00338	-.00027	.00018	.00262	-.02943	.01032
-6.000	8.00000	-5.00000	.00517	-.00082	-.00281	.00049	.00013	-.00026	-.03551	.00599
-4.000	8.00000	-5.00000	.01424	.00069	-.00230	.00107	.00024	-.00142	-.04164	.00197
-2.000	8.00000	-5.00000	.02058	.00188	-.00252	.00201	.00005	-.00306	-.04598	-.00088
.000	8.00000	-5.00000	.02517	.00295	-.00305	.00237	-.00042	-.00422	-.05033	-.00258
2.000	8.00000	-5.00000	.03258	.00438	-.00318	.00162	-.00068	-.00327	-.05655	-.00518
4.000	8.00000	-5.00000	.03921	.00583	-.00364	.00117	-.00092	-.00298	-.05854	-.00969
GRADIENT	.00000	.00000	.00310	.00064	-.00017	-.00001	-.00015	-.00017	-.00222	-.00138

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	.01010	-.00160	-.00048	-.00175	.00143	.00515	-.02600	.00908
-6.000	8.00000	-5.00000	.01296	-.00109	.00001	-.00160	.00110	.00447	-.02543	.00811
-4.000	8.00000	-5.00000	.01556	-.00034	-.00017	-.00168	.00106	.00402	-.02704	.00614
-2.000	8.00000	-5.00000	.01629	.00031	-.00070	-.00163	.00079	.00351	-.03148	.00512
.000	8.00000	-5.00000	.02251	.00132	.00011	-.00147	.00068	.00330	-.03463	.00455
2.000	8.00000	-5.00000	.02922	.00249	.00115	-.00200	.00070	.00406	-.03586	.00316
4.000	8.00000	-5.00000	.03463	.00377	.00101	-.00187	.00045	.00429	-.03709	.00125
GRADIENT	.00000	.00000	.00255	.00052	.00021	-.00004	-.00006	.00005	-.00122	-.00059

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.03767	-.00492	-.01413	.00125	.00042	.00033	-.02240	.00997
-6.000	8.00000	-5.00000	-.03728	-.00462	-.01386	.00197	-.00033	-.00089	-.02052	.00980
-4.000	8.00000	-5.00000	-.03427	-.00367	-.01359	.00181	-.00041	-.00125	-.01982	.00833
-2.000	8.00000	-5.00000	-.03120	-.00292	-.01304	.00111	-.00042	-.00109	-.02333	.00672
.000	8.00000	-5.00000	-.02564	-.00191	-.01204	.00103	-.00042	-.00082	-.02652	.00605
2.000	8.00000	-5.00000	-.01987	-.00079	-.01066	.00073	-.00061	-.00004	-.02561	.00552
4.000	8.00000	-5.00000	-.01403	.00026	-.01006	.00002	-.00082	.00033	-.02283	.00485
GRADIENT	.00000	.00000	.00259	.00050	.00047	-.00020	-.00005	.00021	-.00041	-.00041

LARC UPWT 1177(1A94B) OTSAT130 (MJWA09) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.01177	-.00307	-.00852	.07524	-.01874	-.17928	-.01007	.01271
-6.000	8.00000	-5.00000	-.00328	-.00154	-.00835	.07338	-.01836	-.17509	-.01437	.00903
-4.000	8.00000	-5.00000	.00449	-.00017	-.00815	.07164	-.01869	-.17028	-.01904	.00481
-2.000	8.00000	-5.00000	.01384	.00136	-.00741	.07156	-.01968	-.16833	-.02358	-.00058
.000	8.00000	-5.00000	.02119	.00268	-.00721	.07136	-.02018	-.16624	-.02935	-.00571
2.000	8.00000	-5.00000	.02822	.00404	-.00735	.07083	-.02109	-.16488	-.03459	-.00918
4.000	8.00000	-5.00000	.03817	.00598	-.00688	.07001	-.02165	-.16276	-.03521	-.01288
GRADIENT	.00000	.00000	.00409	.00075	.00013	-.00020	-.00037	.00092	-.00217	-.00220

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.00757	-.00363	-.00598	.06791	-.01578	-.15980	-.01995	.00648
-6.000	8.00000	-5.00000	-.00400	-.00282	-.00562	.06473	-.01473	-.15400	-.02057	.00573
-4.000	8.00000	-5.00000	.00032	-.00161	-.00536	.06079	-.01427	-.14703	-.02080	.00527
-2.000	8.00000	-5.00000	.00278	-.00073	-.00539	.05684	-.01455	-.14003	-.02120	.00438
.000	8.00000	-5.00000	.00756	.00039	-.00500	.05319	-.01530	-.13419	-.02341	.00356
2.000	8.00000	-5.00000	.01327	.00167	-.00444	.04925	-.01586	-.12890	-.02664	.00185
4.000	8.00000	-5.00000	.02052	.00306	-.00438	.04567	-.01638	-.12511	-.03008	.00018
GRADIENT	.00000	.00000	.00254	.00059	.00015	-.00189	-.00028	.00275	-.00120	-.00064

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.04596	-.00619	-.01671	.06044	-.01315	-.14729	-.02229	.00819
-6.000	8.00000	-5.00000	-.04622	-.00567	-.01656	.05949	-.01335	-.14429	-.02204	.00810
-4.000	8.00000	-5.00000	-.03970	-.00429	-.01573	.05567	-.01286	-.13768	-.02114	.00713
-2.000	8.00000	-5.00000	-.03638	-.00331	-.01521	.05168	-.01272	-.13104	-.02007	.00620
.000	8.00000	-5.00000	-.03013	-.00218	-.01396	.04878	-.01379	-.12627	-.01911	.00546
2.000	8.00000	-5.00000	-.02485	-.00103	-.01347	.04362	-.01495	-.11950	-.02028	.00458
4.000	8.00000	-5.00000	-.01904	.00013	-.01322	.03952	-.01572	-.11461	-.02024	.00430
GRADIENT	.00000	.00000	.00264	.00056	.00034	-.00202	-.00040	.00288	.00008	-.00036

LARC UPWT 1177(1A94B) OTSAT130 (MJWA10) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.01746	-.00340	-.01064	.11306	-.02986	-.26892	-.00211	.01387
-6.000	8.00000	-5.00000	-.00733	-.00171	-.01003	.10988	-.02911	-.26271	-.00520	.01047
-4.000	8.00000	-5.00000	.00174	-.00008	-.00967	.10671	-.02925	-.25512	-.00938	.00673
-2.000	8.00000	-5.00000	.01147	.00153	-.00912	.10621	-.03025	-.25083	-.01407	.00221
.000	8.00000	-5.00000	.01906	.00279	-.00894	.10548	-.03072	-.24687	-.01932	-.00322
2.000	8.00000	-5.00000	.02645	.00414	-.00889	.10533	-.03147	-.24520	-.02564	-.00920
4.000	8.00000	-5.00000	.03752	.00617	-.00818	.10310	-.03209	-.24132	-.02681	-.01191
GRADIENT	.00000	.00000	.00433	.00075	.00016	-.00041	-.00035	.00166	-.00232	-.00243

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.00852	-.00381	-.00722	.10183	-.02498	-.23999	-.01481	.00527
-6.000	8.00000	-5.00000	-.00809	-.00313	-.00772	.09689	-.02344	-.23089	-.01482	.00481
-4.000	8.00000	-5.00000	-.00479	-.00193	-.00769	.09122	-.02229	-.22071	-.01490	.00410
-2.000	8.00000	-5.00000	-.00162	-.00106	-.00766	.08570	-.02234	-.21130	-.01553	.00321
.000	8.00000	-5.00000	.00182	.00010	-.00742	.08171	-.02342	-.20439	-.01732	.00251
2.000	8.00000	-5.00000	.01218	.00180	-.00588	.07829	-.02436	-.19867	-.01939	.00058
4.000	8.00000	-5.00000	.02584	.00365	-.00442	.07475	-.02532	-.19394	-.02143	-.00191
GRADIENT	.00000	.00000	.00375	.00070	.00042	-.00202	-.00040	.00331	-.00085	-.00073

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.05163	-.00675	-.01892	.09213	-.02118	-.22176	-.01908	.00752
-6.000	8.00000	-5.00000	-.04833	-.00590	-.01750	.08684	-.02065	-.21315	-.01907	.00754
-4.000	8.00000	-5.00000	-.04197	-.00432	-.01652	.08176	-.01987	-.20439	-.01826	.00689
-2.000	8.00000	-5.00000	-.03733	-.00321	-.01618	.07754	-.01993	-.19676	-.01661	.00586
.000	8.00000	-5.00000	-.03449	-.00231	-.01595	.07317	-.02151	-.18929	-.01565	.00525
2.000	8.00000	-5.00000	-.02540	-.00069	-.01457	.06914	-.02290	-.18282	-.01565	.00429
4.000	8.00000	-5.00000	-.01840	.00051	-.01427	.06299	-.02330	-.17474	-.01569	.00379
GRADIENT	.00000	.00000	.00295	.00061	.00031	-.00230	-.00049	.00366	.00030	-.00039

LARC UPWT 1177(IA94B) OTSAT130 (MJWA11) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	.00322	-.00040	-.00108	-.10719	.02755	.25726	-.04728	-.00225
-6.000	8.00000	4.00000	.00622	.00004	-.00034	-.10305	.02607	.24806	-.04704	-.00290
-4.000	8.00000	4.00000	.00843	.00060	-.00011	-.09782	.02471	.23729	-.04938	-.00370
-2.000	8.00000	4.00000	.00936	.00080	-.00005	-.09145	.02435	.22515	-.05297	-.00498
.000	8.00000	4.00000	.01144	.00132	-.00008	-.08696	.02497	.21657	-.05476	-.00634
2.000	8.00000	4.00000	.01611	.00224	.00031	-.08441	.02569	.21144	-.06104	-.00815
4.000	8.00000	4.00000	.02274	.00336	.00091	-.08206	.02654	.20729	-.06162	-.01076
GRADIENT	.00000	.00000	.00177	.00035	.00012	.00193	.00025	-.00369	-.00163	-.00086

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.02026	-.00204	-.00917	-.09076	.02192	.22845	-.03060	.00011
-6.000	8.00000	4.00000	-.01778	-.00164	-.00855	-.08647	.02054	.22004	-.02838	-.00079
-4.000	8.00000	4.00000	-.01607	-.00112	-.00834	-.08085	.01964	.20952	-.02623	-.00240
-2.000	8.00000	4.00000	-.01340	-.00063	-.00762	-.07570	.01977	.19944	-.02585	-.00366
.000	8.00000	4.00000	-.01478	-.00059	-.00788	-.07203	.02064	.19127	-.02853	-.00271
2.000	8.00000	4.00000	-.01300	-.00025	-.00772	-.06668	.02196	.18207	-.02964	-.00391
4.000	8.00000	4.00000	-.00829	.00059	-.00726	-.06084	.02221	.17356	-.03091	-.00617
GRADIENT	.00000	.00000	.00080	.00019	.00010	.00245	.00037	-.00446	-.00066	-.00039

LARC UPWT 1177(1A94B) OTSAT130 (MJWA12) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.00083	-.00113	-.00220	-.07236	.01794	.17302	-.03142	-.00061
-6.000	8.00000	4.00000	.00161	-.00057	-.00179	-.06966	.01670	.16641	-.03263	-.00148
-4.000	8.00000	4.00000	.00434	-.00001	-.00131	-.06534	.01588	.15744	-.03610	-.00255
-2.000	8.00000	4.00000	.00898	.00069	-.00066	-.06104	.01577	.14875	-.04042	-.00395
.000	8.00000	4.00000	.01341	.00153	-.00042	-.05757	.01621	.14224	-.04384	-.00543
2.000	8.00000	4.00000	.01659	.00225	-.00026	-.05317	.01640	.13587	-.05124	-.00691
4.000	8.00000	4.00000	.02243	.00342	-.00003	-.04893	.01656	.13086	-.05082	-.00939
GRADIENT	.00000	.00000	.00219	.00042	.00015	.00203	.00010	-.00330	-.00201	-.00083

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.02165	-.00249	-.00986	-.05724	.01360	.14687	-.02605	.00033
-6.000	8.00000	4.00000	-.02199	-.00232	-.00960	-.05499	.01267	.14157	-.02447	.00033
-4.000	8.00000	4.00000	-.02036	-.00183	-.00947	-.05171	.01199	.13546	-.02265	-.00039
-2.000	8.00000	4.00000	-.01785	-.00138	-.00891	-.04752	.01197	.12768	-.02334	-.00131
.000	8.00000	4.00000	-.01305	-.00055	-.00798	-.04497	.01248	.12184	-.02245	-.00189
2.000	8.00000	4.00000	-.00996	.00015	-.00763	-.04002	.01305	.11467	-.02413	-.00312
4.000	8.00000	4.00000	-.00747	.00071	-.00755	-.03504	.01357	.10779	-.02574	-.00478
GRADIENT	.00000	.00000	.00168	.00033	.00026	.00204	.00021	-.00342	-.00035	-.00053

LARC UPWT 1177(IA94B) OTSAT130 (MJWA13) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	.00919	-.00115	.00086	-.00282	.00117	.00819	-.02664	-.00248
-6.000	8.00000	4.00000	.01206	-.00067	.00140	-.00269	.00083	.00712	-.02558	-.00294
-4.000	8.00000	4.00000	.01498	.00006	.00127	-.00224	.00062	.00599	-.02724	-.00413
-2.000	8.00000	4.00000	.01514	.00067	.00056	-.00200	.00040	.00510	-.03181	-.00472
.000	8.00000	4.00000	.02000	.00157	.00099	-.00197	.00034	.00487	-.03535	-.00524
2.000	8.00000	4.00000	.02553	.00269	.00167	-.00209	.00015	.00455	-.03636	-.00659
4.000	8.00000	4.00000	.03150	.00402	.00152	-.00213	.00021	.00540	-.03716	-.00827
GRADIENT	.00000	.00000	.00217	.00050	.00008	.00001	-.00005	-.00009	-.00122	-.00051

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.02968	-.00399	-.00119	.00245	-.00007	-.00124	-.02035	-.00021
-6.000	8.00000	4.00000	-.02937	-.00371	-.00088	.00235	-.00050	-.00079	-.01835	-.00023
-4.000	8.00000	4.00000	-.02572	-.00280	-.00034	.00290	-.00092	-.00247	-.01752	-.00040
-2.000	8.00000	4.00000	-.02305	-.00218	-.00079	.00253	-.00109	-.00264	-.02099	-.00116
.000	8.00000	4.00000	-.01795	-.00113	-.00096	.00230	-.00082	-.00192	-.02441	-.00189
2.000	8.00000	4.00000	-.01067	.00011	-.00743	.00213	-.00108	-.00185	-.02323	-.00246
4.000	8.00000	4.00000	-.00461	.00116	-.00684	.00144	-.00130	-.00141	-.02040	-.00350
GRADIENT	.00000	.00000	.00273	.00051	.00047	-.00017	-.00004	.00014	-.00040	-.00037

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA948) OTSAT130 (MJWA14) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.01374	-.00327	-.00715	.06703	-.01624	-.15769	-.01992	-.00372
-6.000	8.00000	4.00000	-.00993	-.00250	-.00664	.06416	-.01531	-.15268	-.02051	-.00357
-4.000	8.00000	4.00000	-.00648	-.00140	-.00659	.06084	-.01505	-.14674	-.02079	-.00327
-2.000	8.00000	4.00000	-.00467	-.00055	-.00677	.05673	-.01518	-.13926	-.02108	-.00379
.000	8.00000	4.00000	.00114	.00059	-.00618	.05351	-.01505	-.13401	-.02342	-.00465
2.000	8.00000	4.00000	.00552	.00181	-.00601	.04978	-.01662	-.12920	-.02660	-.00678
4.000	8.00000	4.00000	.01238	.00319	-.00601	.04607	-.01696	-.12516	-.03024	-.00896
GRADIENT	.00000	.00000	.00239	.00058	.00010	-.00182	-.00026	.00266	-.00122	-.00072

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.03827	-.00507	-.01517	.06252	-.01426	-.15027	-.02052	.00029
-6.000	8.00000	4.00000	-.03701	-.00451	-.01442	.06095	-.01406	-.14657	-.02004	.00032
-4.000	8.00000	4.00000	-.03251	-.00339	-.01398	.05774	-.01390	-.14115	-.01896	.00020
-2.000	8.00000	4.00000	-.02758	-.00234	-.01323	.05428	-.01402	-.13551	-.01784	-.00047
.000	8.00000	4.00000	-.02281	-.00131	-.01220	.05092	-.01492	-.12974	-.01698	-.00083
2.000	8.00000	4.00000	-.01797	-.00017	-.01182	.04596	-.01595	-.12342	-.01802	-.00228
4.000	8.00000	4.00000	-.01181	.00099	-.01149	.04186	-.01659	-.11840	-.01818	-.00288
GRADIENT	.00000	.00000	.00255	.00055	.00032	-.00200	-.00037	.00288	.00007	-.00040

LARC UPWT 1177(IA94B) OTSAT130 (MJWA15) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.01706	-.00356	-.00948	.10282	-.02606	-.24237	-.01460	-.00339
-6.000	8.00000	4.00000	-.01707	-.00296	-.01001	.09789	-.02463	-.23353	-.01457	-.00336
-4.000	8.00000	4.00000	-.01320	-.00178	-.00980	.09264	-.02360	-.22415	-.01455	-.00351
-2.000	8.00000	4.00000	-.01009	-.00088	-.00965	.08719	-.02358	-.21454	-.01507	-.00378
.000	8.00000	4.00000	-.00640	.00024	-.00935	.08343	-.02475	-.20783	-.01692	-.00464
2.000	8.00000	4.00000	.00413	.00198	-.00784	.07972	-.02554	-.20179	-.01870	-.00767
4.000	8.00000	4.00000	.01858	.00386	-.00636	.07630	-.02635	-.19684	-.02053	-.01072
GRADIENT	.00000	.00000	.00389	.00071	.00043	-.00201	-.00037	.00337	-.00078	-.00092

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	4.00000	-.04214	-.00555	-.01718	.08811	-.02125	-.21069	-.01696	.00044
-6.000	8.00000	4.00000	-.04098	-.00483	-.01638	.08279	-.02026	-.20169	-.01695	.00020
-4.000	8.00000	4.00000	-.03485	-.00339	-.01532	.07822	-.01971	-.19379	-.01607	.00039
-2.000	8.00000	4.00000	-.03074	-.00233	-.01495	.07502	-.02008	-.18820	-.01461	-.00007
.000	8.00000	4.00000	-.02660	-.00139	-.01474	.07129	-.02158	-.18185	-.01359	-.00041
2.000	8.00000	4.00000	-.01871	.00014	-.01353	.06750	-.02286	-.17582	-.01375	-.00201
4.000	8.00000	4.00000	-.01159	.00139	-.01316	.06199	-.02313	-.16859	-.01371	-.00306
GRADIENT	.00000	.00000	.00293	.00060	.00029	-.00200	-.00048	.00314	.00028	-.00044

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJWA16) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	2.00000	-.01525	-.00254	-.00550	-.11654	.03257	.28288	-.05624	-.00646
-6.000	8.00000	2.00000	-.00869	-.00134	-.00487	-.11179	.03157	.27212	-.06346	-.00906
-4.000	8.00000	2.00000	-.00071	.00004	-.00415	-.10780	.03138	.26185	-.07031	-.01170
-2.000	8.00000	2.00000	.00997	.00182	-.00339	-.10708	.03190	.25625	-.07872	-.01344
.000	8.00000	2.00000	.02105	.00363	-.00260	-.10729	.03211	.25252	-.08811	-.01407
2.000	8.00000	2.00000	.02889	.00513	-.00225	-.10860	.03256	.25146	-.09263	-.01660
4.000	8.00000	2.00000	.04066	.00733	-.00154	-.10683	.03273	.24694	-.08720	-.02220
GRADIENT	.00000	.00000	.00508	.00089	.00032	.00002	.00017	-.00173	-.00239	-.00121

LARC UPWT 1177(IA94B) OTSAT130 (MJWA17) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	2.00000	-.01613	-.00272	-.00671	-.07721	.02049	.18676	-.04881	-.00473
-6.000	8.00000	2.00000	-.00884	-.00131	-.00613	-.07310	.01985	.17798	-.05580	-.00761
-4.000	8.00000	2.00000	.00002	.00024	-.00534	-.06854	.01971	.16750	-.06292	-.00988
-2.000	8.00000	2.00000	.00879	.00177	-.00496	-.06821	.02019	.16389	-.07087	-.01153
.000	8.00000	2.00000	.01661	.00309	-.00475	-.06779	.02028	.16115	-.07921	-.01235
2.000	8.00000	2.00000	.02234	.00427	-.00467	-.06801	.02081	.15915	-.08293	-.01532
4.000	8.00000	2.00000	.03163	.00629	-.00442	-.06775	.02084	.15704	-.07925	-.02051
GRADIENT	.00000	.00000	.00384	.00073	.00011	.00009	.00014	-.00128	-.00224	-.00125

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DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

(MJWA18) (10 JUL 76)

LARC UPWT 1177(IA94B) OTSAT130

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	2.00000	-.00424	-.00189	-.00520	-.00014	.00041	.00180	-.02893	-.00519
-6.000	8.00000	2.00000	.00389	-.00041	-.00469	.00049	.00036	-.00066	-.03527	-.00837
-4.000	8.00000	2.00000	.01196	.00100	-.00443	.00177	.00016	-.00299	-.04142	-.01099
-2.000	8.00000	2.00000	.01713	.00209	-.00477	.00250	-.00005	-.00391	-.04570	-.01300
.000	8.00000	2.00000	.02234	.00321	-.00525	.00265	-.00049	-.00458	-.05018	-.01445
2.000	8.00000	2.00000	.03172	.00476	-.00479	.00186	-.00067	-.00394	-.05621	-.01702
4.000	8.00000	2.00000	.03712	.00620	-.00581	.00167	-.00094	-.00387	-.05807	-.02254
GRADIENT	.00000	.00000	.00325	.00065	-.00014	-.00004	-.00014	-.00009	-.00219	-.00136

(MJWA19) (10 JUL 76)

LARC UPWT 1177(IA94B) OTSAT130

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	2.00000	-.01185	-.00255	-.01033	.07605	-.01882	-.18035	-.00941	-.00117
-6.000	8.00000	2.00000	-.00370	-.00109	-.01012	.07390	-.01828	-.17564	-.01373	-.00370
-4.000	8.00000	2.00000	.00385	.00028	-.00997	.07173	-.01862	-.17049	-.01849	-.00729
-2.000	8.00000	2.00000	.01318	.00183	-.00931	.07179	-.01965	-.16894	-.02322	-.01234
.000	8.00000	2.00000	.02064	.00312	-.00899	.07126	-.02010	-.16607	-.02908	-.01692
2.000	8.00000	2.00000	.02798	.00446	-.00893	.07031	-.02079	-.16373	-.03409	-.02064
4.000	8.00000	2.00000	.03841	.00646	-.00840	.06959	-.02135	-.16175	-.03485	-.02530
GRADIENT	.00000	.00000	.00420	.00075	.00018	-.00029	-.00033	.00113	-.00218	-.00222

LARC UPWT 1177(IA94B) OTSAT130 (MJWA20) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	2.00000	-.01679	-.00279	-.01231	.11286	-.02969	-.26816	-.00155	-.00025
-6.000	8.00000	2.00000	-.00711	-.00115	-.01167	.10944	-.02894	-.26157	-.00475	-.00231
-4.000	8.00000	2.00000	.00211	.00048	-.01130	.10646	-.02918	-.25433	-.00905	-.00531
-2.000	8.00000	2.00000	.01194	.00210	-.01075	.10612	-.03022	-.25042	-.01376	-.00937
.000	8.00000	2.00000	.01920	.00331	-.01054	.10542	-.03073	-.24671	-.01889	-.01419
2.000	8.00000	2.00000	.02695	.00467	-.01043	.10493	-.03138	-.24426	-.02528	-.02079
4.000	8.00000	2.00000	.03766	.00669	-.00976	.10236	-.03178	-.23945	-.02665	-.02420
GRADIENT	.00000	.00000	.00431	.00075	.00017	-.00047	-.00032	.00180	-.00234	-.00246

LARC UPWT 1177(IA94B) OTSAT130 (MJWA21) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	.00119	-.00066	-.00174	-.10769	.02739	.25886	-.04697	.00317
-6.000	8.00000	.00000	.00430	-.00021	-.00094	-.10316	.02582	.24879	-.04652	.00218
-4.000	8.00000	.00000	.00698	.00039	-.00063	-.09800	.02444	.23806	-.04886	.00117
-2.000	8.00000	.00000	.00828	.00062	-.00045	-.09178	.02419	.22613	-.05247	-.00058
.000	8.00000	.00000	.01014	.00112	-.00055	-.08730	.02483	.21760	-.05405	-.00216
2.000	8.00000	.00000	.01463	.00201	-.00018	-.08463	.02550	.21241	-.06008	-.00414
4.000	8.00000	.00000	.02162	.00314	.00059	-.08216	.02634	.20806	-.06091	-.00646
GRADIENT	.00000	.00000	.00178	.00034	.00014	.00194	.00026	-.00369	-.00159	-.00094

LARC UPWT 1177(IA948) OTSAT130 (MJWA21) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.01787	-.00203	-.00891	-.09062	.02143	.22826	-.03090	.00453
-6.000	8.00000	.00000	-.01735	-.00173	-.00876	-.08694	.02026	.22141	-.02877	.00355
-4.000	8.00000	.00000	-.01512	-.00119	-.00851	-.08130	.01938	.21086	-.02669	.00111
-2.000	8.00000	.00000	-.01233	-.00066	-.00779	-.07649	.01962	.20094	-.02632	-.00068
.000	8.00000	.00000	-.01418	-.00064	-.00806	-.07265	.02042	.19242	-.02899	-.00008
2.000	8.00000	.00000	-.01346	-.00038	-.00823	-.06744	.02177	.18356	-.02986	-.00141
4.000	8.00000	.00000	-.00893	.00044	-.00784	-.06137	.02185	.17468	-.03098	-.00348
GRADIENT	.00000	.00000	.00056	.00018	.00004	.00245	.00035	-.00449	-.00061	-.00050

LARC UPWT 1177(IA948) OTSAT130 (MJWA22) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.00062	-.00130	-.00215	-.07142	.01746	.17105	-.03090	.00425
-6.000	8.00000	.00000	.00197	-.00073	-.00181	-.06882	.01623	.16455	-.03183	.00301
-4.000	8.00000	.00000	.00498	-.00015	-.00138	-.06477	.01546	.15590	-.03517	.00157
-2.000	8.00000	.00000	.01019	.00061	-.00049	-.06069	.01546	.14798	-.03979	.00002
.000	8.00000	.00000	.01440	.00144	-.00026	-.05700	.01583	.14079	-.04316	-.00153
2.000	8.00000	.00000	.01824	.00222	.00008	-.05258	.01597	.13450	-.05031	-.00317
4.000	8.00000	.00000	.02341	.00335	.00024	-.04820	.01605	.12919	-.05006	-.00544
GRADIENT	.00000	.00000	.00225	.00043	.00019	.00206	.00008	-.00334	-.00202	-.00086

LARC UPWT 1177(IA94B) OTSAT130 (MJWA22) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.02169	-.00263	-.01025	-.05726	.01291	.14627	-.02624	.00402
-6.000	8.00000	.00000	-.02210	-.00246	-.01002	-.05482	.01199	.14068	-.02463	.00367
-4.000	8.00000	.00000	-.01982	-.00192	-.00974	-.05166	.01158	.13497	-.02285	.00250
-2.000	8.00000	.00000	-.01817	-.00151	-.00940	-.04753	.01159	.12709	-.02336	.00139
.000	8.00000	.00000	-.01442	-.00077	-.00861	-.04512	.01206	.12160	-.02231	.00067
2.000	8.00000	.00000	-.01063	.00002	-.00826	-.03996	.01257	.11421	-.02411	-.00061
4.000	8.00000	.00000	-.00804	.00057	-.00812	-.03483	.01304	.10700	-.02562	-.00216
GRADIENT	.00000	.00000	.00155	.00033	.00022	.00206	.00019	-.00344	-.00031	-.00057

LARC UPWT 1177(IA94B) OTSAT130 (MJWA23) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	.00824	-.00140	.00037	-.00331	.00120	.00945	-.02615	.00103
-6.000	8.00000	.00000	.01085	-.00093	.00091	-.00328	.00088	.00866	-.02505	.00049
-4.000	8.00000	.00000	.01527	-.00011	.00111	-.00300	.00070	.00772	-.02680	-.00101
-2.000	8.00000	.00000	.01460	.00044	.00017	-.00255	.00043	.00648	-.03176	-.00178
.000	8.00000	.00000	.01883	.00131	.00060	-.00246	.00039	.00614	-.03522	-.00245
2.000	8.00000	.00000	.02457	.00244	.00137	-.00267	.00032	.00602	-.03581	-.00362
4.000	8.00000	.00000	.03089	.00377	.00133	-.00222	.00003	.00593	-.03665	-.00524
GRADIENT	.00000	.00000	.00206	.00049	.00008	.00007	-.00007	-.00020	-.00119	-.00052

LARC UPWT 1177(IA94B) OTSAT130 (MJWA23) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.02332	-.00382	-.00956	.00278	-.00019	-.00195	-.02037	.00166
-6.000	8.00000	.00000	-.02301	-.00347	-.00916	.00274	-.00073	-.00195	-.01851	.00159
-4.000	8.00000	.00000	-.02001	-.00261	-.00884	.00327	-.00116	-.00360	-.01755	.00066
-2.000	8.00000	.00000	-.01664	-.00191	-.00824	.00268	-.00115	-.00335	-.02094	-.00026
.000	8.00000	.00000	-.01297	-.00098	-.00769	.00271	-.00108	-.00300	-.02470	-.00088
2.000	8.00000	.00000	-.00664	.00022	-.00643	.00202	-.00128	-.00236	-.02344	-.00125
4.000	8.00000	.00000	-.00106	.00122	-.00599	.00152	-.00156	-.00199	-.02033	-.00222
GRADIENT	.00000	.00000	.00239	.00049	.00038	-.00021	-.00005	.00021	-.00040	-.00034

LARC UPWT 1177(IA94B) OTSAT130 (MJWA24) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.01343	-.00356	-.00695	.06801	-.01656	-.16010	-.01990	-.00113
-6.000	8.00000	.00000	-.00997	-.00280	-.00651	.06506	-.01559	-.15504	-.02046	-.00129
-4.000	8.00000	.00000	-.00531	-.00158	-.00608	.06169	-.01524	-.14868	-.02054	-.00119
-2.000	8.00000	.00000	-.00345	-.00071	-.00628	.05733	-.01539	-.14093	-.02096	-.00135
.000	8.00000	.00000	.00216	.00043	-.00580	.05392	-.01635	-.13552	-.02312	-.00214
2.000	8.00000	.00000	.00744	.00166	-.00531	.05019	-.01691	-.13078	-.02620	-.00407
4.000	8.00000	.00000	.01233	.00295	-.00569	.04628	-.01714	-.12612	-.02965	-.00614
GRADIENT	.00000	.00000	.00231	.00057	.00009	-.00190	-.00027	.00276	-.00117	-.00063

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJWA24) (10 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.03863	-.00531	-.01551	.06141	-.01439	-.14905	-.02031	.00145
-6.000	8.00000	.00000	-.03669	-.00470	-.01485	.05964	-.01401	-.14488	-.01979	.00167
-4.000	8.00000	.00000	-.03203	-.00352	-.01430	.05645	-.01386	-.13902	-.01891	.00117
-2.000	8.00000	.00000	-.02780	-.00253	-.01369	.05310	-.01392	-.13360	-.01779	.00053
.000	8.00000	.00000	-.02317	-.00144	-.01270	.04991	-.01494	-.12804	-.01715	.00018
2.000	8.00000	.00000	-.01812	-.00035	-.01238	.04508	-.01605	-.12213	-.01790	-.00115
4.000	8.00000	.00000	-.01371	.00068	-.01241	.04107	-.01674	-.11750	-.01807	-.00169
GRADIENT	.00000	.00000	.00232	.00053	.00025	-.00194	-.00039	.00273	.00008	-.00037

LARC UPWT 1177(IA94B) OTSAT130 (MJWA25) (10 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.01502	-.00370	-.00870	.10348	-.02620	-.24388	-.01426	-.00112
-6.000	8.00000	.00000	-.01468	-.00309	-.00913	.09865	-.02476	-.23520	-.01422	-.00132
-4.000	8.00000	.00000	-.01102	-.00189	-.00902	.09330	-.02372	-.22560	-.01438	-.00147
-2.000	8.00000	.00000	-.00846	-.00101	-.00911	.08779	-.02375	-.21610	-.01486	-.00167
.000	8.00000	.00000	-.00493	.00009	-.00879	.08400	-.02491	-.20921	-.01658	-.00243
2.000	8.00000	.00000	.00501	.00179	-.00750	.08038	-.02579	-.20343	-.01830	-.00510
4.000	8.00000	.00000	.01951	.00368	-.00606	.07702	-.02672	-.19832	-.02022	-.00753
GRADIENT	.00000	.00000	.00373	.00070	.00038	-.00200	-.00040	.00336	-.00076	-.00078

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJWA25) (10 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	.00000	-.04597	-.00603	-.01830	.09490	-.02295	-.22822	-.01682	.00165
-6.000	8.00000	.00000	-.04339	-.00519	-.01740	.08928	-.02199	-.21884	-.01659	.00165
-4.000	8.00000	.00000	-.03722	-.00371	-.01632	.08410	-.02124	-.20953	-.01574	.00156
-2.000	8.00000	.00000	-.03258	-.00260	-.01593	.08042	-.02176	-.20330	-.01432	.00087
.000	8.00000	.00000	-.02900	-.00167	-.01568	.07650	-.02331	-.19611	-.01322	.00047
2.000	8.00000	.00000	-.02049	-.00012	-.01447	.07205	-.02468	-.18911	-.01315	-.00083
4.000	8.00000	.00000	-.01384	.00108	-.01412	.06586	-.02493	-.18099	-.01303	-.00180
GRADIENT	.00000	.00000	.00294	.00060	.00029	-.00224	-.00052	.00356	.00033	-.00042

LARC UPWT 1177(IA94B) OTSAT130 (MJWA26) (10 JUL 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.00439	-.00207	-.00289	-.10754	.02760	.25903	.00099	.00638
-6.000	.00000	.00000	-.00144	-.00160	-.00228	-.10347	.02616	.24951	-.00258	.00527
-4.000	.00000	.00000	.00181	-.00090	-.00181	-.09851	.02500	.23908	-.00562	.00397
-2.000	.00000	.00000	.00378	-.00062	-.00153	-.09252	.02478	.22780	-.00903	.00196
.000	.00000	.00000	.00695	-.00005	-.00139	-.08799	.02542	.21925	-.01217	.00018
2.000	.00000	.00000	.01226	.00092	-.00082	-.08527	.02601	.21389	-.01824	-.00179
4.000	.00000	.00000	.01928	.00205	-.00015	-.08282	.02685	.20994	-.02297	-.00424
GRADIENT	.00000	.00000	.00217	.00037	.00020	.00193	.00025	-.00361	-.00219	-.00101

LARC UPWT 1177(IA94B) OTSAT130 (MJWA26) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.04604	-.00487	-.01379	-.09320	.02232	.23291	-.00345	.00639
-6.000	.00000	.00000	-.04379	-.00447	-.01323	-.08931	.02102	.22506	-.00382	.00567
-4.000	.00000	.00000	-.04135	-.00387	-.01295	-.08362	.02035	.21430	-.00349	.00365
-2.000	.00000	.00000	-.03939	-.00346	-.01254	-.07888	.02047	.20474	-.00541	.00195
.000	.00000	.00000	-.04004	-.00332	-.01269	-.07554	.02154	.19701	-.00707	.00189
2.000	.00000	.00000	-.03760	-.00295	-.01248	-.07012	.02279	.18773	-.00801	.00025
4.000	.00000	.00000	-.03218	-.00207	-.01165	-.06402	.02284	.17860	-.00926	-.00171
GRADIENT	.00000	.00000	.00101	.00021	.00013	.00240	.00036	-.00442	-.00071	-.00062

LARC UPWT 1177(IA94B) OTSAT130 (MJWA27) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.00336	-.00251	-.00225	-.07296	.01823	.17466	.00901	.00697
-6.000	.00000	.00000	-.00059	-.00190	-.00199	-.07048	.01708	.16858	.00454	.00562
-4.000	.00000	.00000	.00222	-.00128	-.00172	-.06640	.01649	.16039	.00015	.00428
-2.000	.00000	.00000	.00713	-.00056	-.00101	-.06198	.01635	.15149	-.00473	.00239
.000	.00000	.00000	.01177	.00030	-.00075	-.05889	.01678	.14563	-.00922	.00075
2.000	.00000	.00000	.01509	.00100	-.00051	-.05457	.01691	.13943	-.01404	-.00094
4.000	.00000	.00000	.02112	.00221	-.00002	-.05000	.01717	.13367	-.01682	-.00333
GRADIENT	.00000	.00000	.00229	.00043	.00019	.00201	.00010	-.00328	-.00216	-.00093

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LARC UPWT 1177(IA94B) OTSAT130 (MJWA27) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.04568	-.00519	-.01371	-.05972	.01410	.15058	-.00227	.00515
-6.000	.00000	.00000	-.04613	-.00503	-.01362	-.05698	.01311	.14495	-.00328	.00585
-4.000	.00000	.00000	-.04374	-.00448	-.01348	-.05400	.01269	.13873	-.00342	.00462
-2.000	.00000	.00000	-.04223	-.00404	-.01319	-.04988	.01280	.13132	-.00512	.00358
.000	.00000	.00000	-.03828	-.00331	-.01248	-.04744	.01321	.12580	-.00547	.00244
2.000	.00000	.00000	-.03535	-.00265	-.01223	-.04244	.01382	.11875	-.00715	.00120
4.000	.00000	.00000	-.03299	-.00212	-.01211	-.03764	.01437	.11210	-.00853	-.00052
GRADIENT	.00000	.00000	.00142	.00031	.00018	.00201	.00022	-.00329	-.00061	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJWA28) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.00991	-.00350	-.00366	-.00299	.00163	.00901	.00698	.00465
-6.000	.00000	.00000	-.00502	-.00286	-.00303	-.00311	.00136	.00855	.00453	.00364
-4.000	.00000	.00000	-.00061	-.00200	-.00296	-.00251	.00116	.00718	.00149	.00187
-2.000	.00000	.00000	.00053	-.00136	-.00347	-.00236	.00095	.00655	-.00443	.00094
.000	.00000	.00000	.00713	-.00036	-.00253	-.00246	.00102	.00659	-.00943	.00016
2.000	.00000	.00000	.01367	.00081	-.00142	-.00292	.00099	.00679	-.01234	-.00142
4.000	.00000	.00000	.01923	.00208	-.00142	-.00226	.00077	.00667	-.01324	-.00297
GRADIENT	.00000	.00000	.00264	.00052	.00026	-.00000	-.00004	-.00004	-.00187	-.00060

LARC UPWT 1177(IA94B) OTSAT130 (MJWA28) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.05761	-.00708	-.01638	.00151	.00040	-.00044	-.00153	.00427
-6.000	.00000	.00000	-.05621	-.00668	-.01586	.00211	-.00024	-.00113	-.00180	.00404
-4.000	.00000	.00000	-.05320	-.00579	-.01558	.00161	-.00017	-.00097	-.00186	.00324
-2.000	.00000	.00000	-.04916	-.00500	-.01469	.00124	-.00030	-.00123	-.00427	.00230
.000	.00000	.00000	-.04450	-.00407	-.01384	.00087	-.00012	-.00058	-.00824	.00184
2.000	.00000	.00000	-.03815	-.00289	-.01261	.00035	-.00053	-.00017	-.00894	.00111
4.000	.00000	.00000	-.03200	-.00182	-.01191	-.00006	-.00078	.00005	-.00769	-.00023
GRADIENT	.00000	.00000	.00267	.00050	.00047	-.00021	-.00087	.00015	-.00082	-.00041

LARC UPWT 1177(IA94B) OTSAT130 (MJWA29) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.01603	-.00479	-.00612	.06745	-.01556	-.15845	.01025	.00152
-6.000	.00000	.00000	-.01222	-.00393	-.00586	.06472	-.01467	-.15342	.00546	.00128
-4.000	.00000	.00000	-.00700	-.00267	-.00539	.06105	-.01422	-.14657	.00245	.00128
-2.000	.00000	.00000	-.00444	-.00182	-.00547	.05696	-.01444	-.13922	-.00091	.00075
.000	.00000	.00000	.00020	-.00074	-.00514	.05350	-.01520	-.13366	-.00436	.00001
2.000	.00000	.00000	.00690	.00060	-.00438	.04955	-.01586	-.12864	-.00833	-.00152
4.000	.00000	.00000	.01132	.00181	-.00447	.04567	-.01603	-.12441	-.01322	-.00367
GRADIENT	.00000	.00000	.00240	.00057	.00015	-.00191	-.00025	.00274	-.00194	-.00061

LARC UPWT 1177(1A94B) OTSAT130 (MJWA29) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.06226	-.00796	-.01816	.05859	-.01272	-.14309	-.00250	.00320
-6.000	.00000	.00000	-.06017	-.00732	-.01750	.05700	-.01247	-.13938	-.00452	.00341
-4.000	.00000	.00000	-.05575	-.00618	-.01684	.05366	-.01208	-.13343	-.00537	.00290
-2.000	.00000	.00000	-.04992	-.00504	-.01608	.05017	-.01207	-.12736	-.00520	.00228
.000	.00000	.00000	-.04475	-.00396	-.01516	.04742	-.01322	-.12245	-.00565	.00179
2.000	.00000	.00000	-.04081	-.00288	-.01501	.04270	-.01450	-.11683	-.00719	.00055
4.000	.00000	.00000	-.03456	-.00174	-.01445	.03927	-.01502	-.11140	-.00768	-.00009
GRADIENT	.00000	.00000	.00257	.00055	.00029	-.00191	-.00042	.00273	-.00033	-.00039

LARC UPWT 1177(1A94B) OTSAT130 (MJWA30) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.01612	-.00488	-.00709	.10298	-.02523	-.24263	.01388	.00083
-6.000	.00000	.00000	-.01583	-.00423	-.00764	.09809	-.02376	-.23391	.01005	.00063
-4.000	.00000	.00000	-.01149	-.00300	-.00731	.09244	-.02251	-.22388	.00675	.00038
-2.000	.00000	.00000	-.00686	-.00202	-.00714	.08654	-.02242	-.21345	.00376	.00007
.000	.00000	.00000	-.00444	-.00097	-.00712	.08257	-.02364	-.20641	.00004	-.00078
2.000	.00000	.00000	.00578	.00074	-.00560	.07942	-.02478	-.20142	-.00365	-.00317
4.000	.00000	.00000	.02068	.00267	-.00362	.07587	-.02548	-.19658	-.00693	-.00590
GRADIENT	.00000	.00000	.00385	.00070	.00045	-.00201	-.00042	.00333	-.00174	-.00079

LARC UPWT 1177(IA94B) OTSAT130 (MJWA30) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	.00000	-.06620	-.00846	-.01982	.09127	-.02088	-.22113	.00131	.00308
-6.000	.00000	.00000	-.06284	-.00756	-.01872	.08638	-.02030	-.21302	-.00195	.00311
-4.000	.00000	.00000	-.05571	-.00599	-.01741	.08102	-.01945	-.20382	-.00290	.00287
-2.000	.00000	.00000	-.05180	-.00492	-.01733	.07672	-.01958	-.19575	-.00285	.00219
.000	.00000	.00000	-.04673	-.00389	-.01678	.07251	-.02101	-.18816	-.00315	.00155
2.000	.00000	.00000	-.03886	-.00239	-.01545	.06881	-.02263	-.18221	-.00402	.00006
4.000	.00000	.00000	-.03232	-.00120	-.01506	.06240	-.02282	-.17380	-.00491	-.00084
GRADIENT	.00000	.00000	.00299	.00061	.00033	-.00226	-.00049	.00368	-.00026	-.00048

LARC UPWT 1177(IA94B) OTSAT130 (MJWA32) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.03566	-.00480	-.00553	-.11586	.03180	.28221	.01017	.01222
-6.000	.00000	-5.00000	-.02770	-.00342	-.00483	-.11164	.03084	.27325	-.00225	.00890
-4.000	.00000	-5.00000	-.01896	-.00191	-.00422	-.10673	.03012	.26014	-.01259	.00574
-2.000	.00000	-5.00000	-.00720	-.00004	-.00380	-.10551	.03059	.25333	-.02394	.00350
.000	.00000	-5.00000	.00362	.00173	-.00279	-.10556	.03084	.24971	-.03539	.00245
2.000	.00000	-5.00000	.01225	.00325	-.00233	-.10728	.03145	.24961	-.04227	.00012
4.000	.00000	-5.00000	.02505	.00547	-.00141	-.10514	.03132	.24413	-.03922	-.00468
GRADIENT	.00000	.00000	.00537	.00090	.00034	.00007	.00016	-.00179	-.00358	-.00121

LARC UPWT 1177(IA94B) OTSAT130 (MJWA32) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.00395	-.00141	-.00287	-.10943	.02787	.26269	.00235	.01287
-6.000	.00000	-5.00000	-.00068	-.00101	-.00248	-.10482	.02525	.25243	-.00146	.01156
-4.000	.00000	-5.00000	.00309	-.00025	-.00202	-.09980	.02484	.24199	-.00414	.01043
-2.000	.00000	-5.00000	.00547	.00009	-.00167	-.09337	.02423	.22960	-.00778	.00798
.000	.00000	-5.00000	.00712	.00055	-.00179	-.08851	.02490	.22058	-.01013	.00604
2.000	.00000	-5.00000	.01284	.00149	-.00120	-.08588	.02571	.21504	-.01599	.00420
4.000	.00000	-5.00000	.01902	.00256	-.00060	-.08345	.02649	.21092	-.02057	.00190
GRADIENT	.00000	.00000	.00196	.00035	.00017	.00201	.00024	-.00383	-.00205	-.00104

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.02313	-.00275	-.01117	-.09121	.02158	.22861	-.00248	.01255
-6.000	.00000	-5.00000	-.02126	-.00231	-.01066	-.08701	.02009	.22041	-.00286	.01174
-4.000	.00000	-5.00000	-.01817	-.00165	-.01029	-.08170	.01924	.21060	-.00269	.00984
-2.000	.00000	-5.00000	-.01577	-.00113	-.01002	-.07657	.01912	.20047	-.00439	.00713
.000	.00000	-5.00000	-.01553	-.00093	-.00994	-.07260	.01978	.19138	-.00603	.00668
2.000	.00000	-5.00000	-.01325	-.00060	-.00980	-.06825	.02147	.18390	-.00709	.00584
4.000	.00000	-5.00000	-.00925	-.00012	-.00948	-.06216	.02192	.17489	-.00825	.00410
GRADIENT	.00000	.00000	.00102	.00020	.00009	.00237	.00039	-.00440	-.00069	-.00064

LARC UPWT 1177(IA94B) OTSAT130 (MJWA33) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.03241	-.00482	-.00540	-.07787	.02006	.18843	.01553	.01284
-6.000	.00000	-5.00000	-.02334	-.00323	-.00481	-.07311	.01912	.17814	.00316	.00878
-4.000	.00000	-5.00000	-.01531	-.00167	-.00452	-.06858	.01890	.16775	-.00786	.00584
-2.000	.00000	-5.00000	-.00603	-.00006	-.00403	-.06762	.01949	.16380	-.01848	.00375
.000	.00000	-5.00000	.00166	.00128	-.00416	-.06774	.01954	.16118	-.02987	.00285
2.000	.00000	-5.00000	.00778	.00244	-.00416	-.06866	.02040	.16151	-.03649	.00013
4.000	.00000	-5.00000	.01834	.00450	-.00356	-.06725	.02022	.15642	-.03516	-.00454
GRADIENT	.00000	.00000	.00406	.00074	.00009	.00008	.00018	-.00125	-.00363	-.00122

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.00351	-.00202	-.00265	-.07185	.01778	.17191	.00963	.01286
-6.000	.00000	-5.00000	-.00060	-.00139	-.00243	-.06921	.01649	.16538	.00526	.01125
-4.000	.00000	-5.00000	.00392	-.00063	-.00177	-.06540	.01584	.15749	.00174	.00969
-2.000	.00000	-5.00000	.00765	.00005	-.00127	-.06109	.01561	.14878	-.00337	.00788
.000	.00000	-5.00000	.01282	.00091	-.00094	-.05768	.01599	.14228	-.00754	.00618
2.000	.00000	-5.00000	.01591	.00156	-.00085	-.05328	.01623	.13560	-.01237	.00445
4.000	.00000	-5.00000	.02098	.00267	-.00055	-.04888	.01631	.13035	-.01496	.00240
GRADIENT	.00000	.00000	.00212	.00041	.00014	.00204	.00008	-.00337	-.00212	-.00090

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.02313	-.00305	-.01142	-.05768	.01341	.14686	-.00174	.01212
-6.000	.00000	-5.00000	-.02456	-.00294	-.01174	-.05510	.01234	.14157	-.00249	.01119
-4.000	.00000	-5.00000	-.02369	-.00244	-.01178	-.05261	.01198	.13625	-.00276	.00960
-2.000	.00000	-5.00000	-.02140	-.00195	-.01145	-.04847	.01180	.12875	-.00459	.00789
.000	.00000	-5.00000	-.01766	-.00124	-.01079	-.04593	.01207	.12283	-.00528	.00632
2.000	.00000	-5.00000	-.01379	-.00047	-.01029	-.04142	.01286	.11596	-.00624	.00536
4.000	.00000	-5.00000	-.01106	.00009	-.01008	-.03614	.01350	.10894	-.00779	.00430
GRADIENT	.00000	.00000	.00164	.00033	.00023	.00200	.00020	-.00337	-.00059	-.00066

DATE 29 OCT 76 TABULATED SOURCE DATA - IA94B.

LARC UPWT 1177(IA94B) OTSAT130 (MJWA34) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.02765	-.00458	-.00471	-.00203	.00042	.00689	.02962	.01165
-6.000	.00000	-5.00000	-.01833	-.00298	-.00422	-.00163	.00049	.00531	.01860	.00758
-4.000	.00000	-5.00000	-.00872	-.00129	-.00401	-.00060	.00039	.00275	.00769	.00350
-2.000	.00000	-5.00000	-.00343	-.00018	-.00450	.00121	-.00002	-.00121	-.00060	.00086
.000	.00000	-5.00000	.00074	.00078	-.00533	.00061	-.00016	-.00029	-.00655	-.00074
2.000	.00000	-5.00000	.00949	.00226	-.00503	.00005	-.00038	.00016	-.01707	-.00279
4.000	.00000	-5.00000	.01837	.00396	-.00506	-.00004	-.00062	-.00037	-.02135	-.00732
GRADIENT	.00000	.00000	.00335	.00065	-.00013	-.00000	-.00012	-.00024	-.00373	-.00126

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.00908	-.00297	-.00343	-.00131	.00112	.00476	.00770	.00880
-6.000	.00000	-5.00000	-.00448	-.00241	-.00267	-.00141	.00097	.00446	.00454	.00792
-4.000	.00000	-5.00000	.00126	-.00145	-.00231	-.00105	.00079	.00332	.00226	.00621
-2.000	.00000	-5.00000	.00108	-.00085	-.00313	-.00128	.00062	.00315	-.00296	.00471
.000	.00000	-5.00000	.00667	.00011	-.00252	-.00089	.00039	.00255	-.00769	.00420
2.000	.00000	-5.00000	.01422	.00126	-.00122	-.00139	.00041	.00279	-.01101	.00285
4.000	.00000	-5.00000	.02055	.00259	-.00108	-.00117	.00032	.00318	-.01208	.00134
GRADIENT	.00000	.00000	.00259	.00051	.00022	-.00002	-.00006	-.00003	-.00184	-.00058

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.03285	-.00478	-.01299	.00109	.00047	.00141	.00006	.00871
-6.000	.00000	-5.00000	-.03432	-.00461	-.01308	.00139	-.00005	.00140	-.00052	.00826
-4.000	.00000	-5.00000	-.02942	-.00363	-.01242	.00163	-.00032	.00057	-.00056	.00700
-2.000	.00000	-5.00000	-.02527	-.00273	-.01175	.00112	-.00051	.00032	-.00251	.00539
.000	.00000	-5.00000	-.02163	-.00188	-.01113	.00116	-.00036	.00036	-.00560	.00443
2.000	.00000	-5.00000	-.01384	-.00063	-.00954	.00085	-.00039	.00087	-.00750	.00389
4.000	.00000	-5.00000	-.00744	.00045	-.00867	.00032	-.00063	.00130	-.00629	.00316
GRADIENT	.00000	.00000	.00277	.00051	.00048	-.00014	-.00003	.00010	-.00082	-.00046

LARC UPWT 1177(IA94B) OTSAT130 (MJWA35) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.02986	-.00494	-.00786	.07514	-.01867	-.17904	.04264	.01286
-6.000	.00000	-5.00000	-.02097	-.00338	-.00788	.07344	-.01823	-.17531	.03491	.00902
-4.000	.00000	-5.00000	-.01231	-.00187	-.00768	.07121	-.01823	-.17023	.02668	.00525
-2.000	.00000	-5.00000	-.00262	-.00030	-.00711	.07080	-.01926	-.16776	.01813	.00024
.000	.00000	-5.00000	.00426	.00101	-.00715	.07121	-.01998	-.16678	.00907	-.00474
2.000	.00000	-5.00000	.01165	.00231	-.00710	.06999	-.02076	-.16393	-.00012	-.00773
4.000	.00000	-5.00000	.02199	.00427	-.00667	.06979	-.02137	-.16271	-.00432	-.01054
GRADIENT	.00000	.00000	.00414	.00075	.00010	-.00018	-.00039	.00094	-.00401	-.00198

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.01495	-.00435	-.00583	.06672	-.01548	-.15666	.01106	.00622
-6.000	.00000	-5.00000	-.01039	-.00355	-.00546	.06417	-.01428	-.15179	.00589	.00514
-4.000	.00000	-5.00000	-.00685	-.00238	-.00552	.06063	-.01381	-.14540	.00260	.00476
-2.000	.00000	-5.00000	-.00320	-.00140	-.00533	.05683	-.01408	-.13871	.00024	.00371
.000	.00000	-5.00000	.00139	-.00033	-.00513	.05312	-.01480	-.13268	-.00336	.00295
2.000	.00000	-5.00000	.00746	.00093	-.00446	.04962	-.01556	-.12823	-.00747	.00165
4.000	.00000	-5.00000	.01230	.00217	-.00445	.04588	-.01575	-.12375	-.01173	.00029
GRADIENT	.00000	.00000	.00245	.00057	.00015	-.00184	-.00027	.00269	-.00182	-.00055

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.04262	-.00621	-.01626	.06031	-.01323	-.14533	-.00171	.00696
-6.000	.00000	-5.00000	-.03840	-.00549	-.01517	.05939	-.01312	-.14265	-.00379	.00694
-4.000	.00000	-5.00000	-.03460	-.00430	-.01494	.05617	-.01278	-.13695	-.00504	.00609
-2.000	.00000	-5.00000	-.02937	-.00319	-.01425	.05238	-.01269	-.13081	-.00502	.00494
.000	.00000	-5.00000	-.02337	-.00204	-.01324	.04988	-.01386	-.12678	-.00510	.00429
2.000	.00000	-5.00000	-.01813	-.00087	-.01249	.04462	-.01489	-.12027	-.00631	.00351
4.000	.00000	-5.00000	-.01396	.00012	-.01239	.03989	-.01532	-.11437	-.00696	.00312
GRADIENT	.00000	.00000	.00263	.00056	.00034	-.00202	-.00036	.00279	-.00026	-.00037

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJWA36) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.03599	-.00530	-.01010	.11453	-.03026	-.27250	.05010	.01422
-6.000	.00000	-5.00000	-.02517	-.00355	-.00944	.11116	-.02919	-.26598	.04267	.01071
-4.000	.00000	-5.00000	-.01584	-.00192	-.00915	.10788	-.02301	-.25869	.03446	.00696
-2.000	.00000	-5.00000	-.00502	-.00018	-.00862	.10724	-.03023	-.25451	.02535	.00253
.000	.00000	-5.00000	.00310	.00120	-.00855	.10745	-.03103	-.25216	.01759	-.00214
2.000	.00000	-5.00000	.00990	.00247	-.00862	.10713	-.03178	-.25002	.00811	-.00784
4.000	.00000	-5.00000	.02036	.00439	-.00802	.10476	-.03207	-.24557	.00409	-.01023
GRADIENT	.00000	.00000	.00437	.00076	.00011	-.00032	-.00038	.00154	-.00390	-.00224

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.01527	-.00447	-.00681	.10313	-.02517	-.24225	.01480	.00484
-6.000	.00000	-5.00000	-.01505	-.00392	-.00761	.09797	-.02345	-.23297	.01080	.00412
-4.000	.00000	-5.00000	-.01211	-.00272	-.00764	.09251	-.02222	-.22273	.00741	.00345
-2.000	.00000	-5.00000	-.00741	-.00170	-.00738	.08712	-.02213	-.21377	.00511	.00259
.000	.00000	-5.00000	-.00394	-.00064	-.00725	.08277	-.02318	-.20626	.00161	.00199
2.000	.00000	-5.00000	.00547	.00104	-.00584	.07933	-.02417	-.20043	-.00212	.00037
4.000	.00000	-5.00000	.01799	.00281	-.00435	.07691	-.02506	-.19562	-.00568	-.00143
GRADIENT	.00000	.00000	.00365	.00069	.00041	-.00204	-.00039	.00338	-.00167	-.00060

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-5.00000	-.04996	-.00676	-.01902	.09523	-.022[illegible]	-.22795	.00249	.00688
-6.000	.00000	-5.00000	-.04591	-.00592	-.01750	.08972	-.02108	-.21889	-.00082	.00664
-4.000	.00000	-5.00000	-.03882	-.00442	-.01635	.08476	-.02039	-.21081	-.00233	.00603
-2.000	.00000	-5.00000	-.03425	-.00337	-.01611	.08043	-.02038	-.20301	-.00235	.00494
.000	.00000	-5.00000	-.03045	-.00235	-.01606	.07658	-.02195	-.19607	-.00275	.00447
2.000	.00000	-5.00000	-.02269	-.00095	-.01453	.07204	-.02326	-.18860	-.00350	.00359
4.000	.00000	-5.00000	-.01323	.00082	-.01281	.06754	-.02437	-.18218	-.00410	.00232
GRADIENT	.00000	.00000	.00314	.00064	.00043	-.00214	-.00054	.00358	-.00023	-.00044

LARC UPWT 1177(IA94B) OTSAT130 (MJWA37) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	.00248	-.00094	-.00120	-.10822	.02795	.25956	.00128	-.00125
-6.000	.00000	4.00000	.00527	-.00050	-.00061	-.10411	.02657	.25009	-.00250	-.00218
-4.000	.00000	4.00000	.00832	.00015	-.00017	-.09908	.02539	.23965	-.00561	-.00311
-2.000	.00000	4.00000	.01069	.00045	.00020	-.09291	.02501	.22791	-.00887	-.00470
.000	.00000	4.00000	.01402	.00106	.00037	-.08832	.02560	.21917	-.01170	-.00621
2.000	.00000	4.00000	.01957	.00203	.00099	-.08586	.02638	.21405	-.01737	-.00809
4.000	.00000	4.00000	.02558	.00311	.00140	-.08326	.02717	.21003	-.02151	-.01076
GRADIENT	.00000	.00000	.00217	.00037	.00020	.00193	.00025	-.00365	-.00201	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.03122	-.00320	-.01131	-.09383	.02273	.23388	-.00337	.00068
-6.000	.00000	4.00000	-.02896	-.00283	-.01073	-.08935	.02131	.22538	-.00371	.00003
-4.000	.00000	4.00000	-.02592	-.00219	-.01041	-.08377	.02053	.21476	-.00339	-.00135
-2.000	.00000	4.00000	-.02386	-.00173	-.00989	-.07912	.02069	.20531	-.00514	-.00275
.000	.00000	4.00000	-.02451	-.00163	-.01000	-.07526	.02156	.19665	-.00694	-.00299
2.000	.00000	4.00000	-.02254	-.00127	-.00999	-.07019	.02299	.18805	-.00789	-.00448
4.000	.00000	4.00000	-.01765	-.00043	-.00946	-.06423	.02318	.17927	-.00938	-.00670
GRADIENT	.00000	.00000	.00089	.00020	.00009	.00240	.00038	-.00441	-.00074	-.00062

LARC UPWT 1177(IA94B) OTSAT130 (MJWA38) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	.00279	-.00146	-.00079	-.07304	.01840	.17409	.00894	.00010
-6.000	.00000	4.00000	.00607	-.00081	-.00038	-.07052	.01725	.16769	.00471	-.00101
-4.000	.00000	4.00000	.00913	-.00018	.00003	-.06639	.01663	.15919	.00046	-.00214
-2.000	.00000	4.00000	.01404	.00054	.00072	-.06206	.01649	.15062	-.00482	-.00373
.000	.00000	4.00000	.01869	.00140	.00097	-.05885	.01687	.14441	-.00890	-.00513
2.000	.00000	4.00000	.02196	.00213	.00110	-.05455	.01714	.13831	-.01317	-.00685
4.000	.00000	4.00000	.02754	.00329	.00141	-.05015	.01733	.13317	-.01575	-.00943
GRADIENT	.00000	.00000	.00224	.00043	.00016	.00200	.00010	-.00322	-.00204	-.00089

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.03133	-.00361	-.01139	-.05935	.01412	.14998	-.00254	.00117
-6.000	.00000	4.00000	-.03175	-.00340	-.01141	-.05686	.01319	.14469	-.00315	.00118
-4.000	.00000	4.00000	-.02880	-.00282	-.01106	-.05386	.01285	.13849	-.00343	.00034
-2.000	.00000	4.00000	-.02599	-.00234	-.01042	-.04953	.01278	.13083	-.00517	-.00074
.000	.00000	4.00000	-.02190	-.00156	-.00968	-.04744	.01314	.12570	-.00550	-.00160
2.000	.00000	4.00000	-.01900	-.00088	-.00955	-.04228	.01384	.11826	-.00706	-.00317
4.000	.00000	4.00000	-.01714	-.00038	-.00949	-.03730	.01446	.11143	-.00864	-.00503
GRADIENT	.00000	.00000	.00152	.00032	.00020	.00202	.00021	-.00333	-.00062	-.00066

LARC UPWT 1177(IA94B) OTSAT130 (MJWA39) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.00186	-.00228	-.00157	-.00405	.00175	.01052	.00709	-.00096
-6.000	.00000	4.00000	.00301	-.00166	-.00090	-.00411	.00152	.01014	.00458	-.00170
-4.000	.00000	4.00000	.00741	-.00082	-.00083	-.00342	.00126	.00852	.00178	-.00306
-2.000	.00000	4.00000	.00792	-.00020	-.00151	-.00320	.00105	.00770	-.00427	-.00402
.000	.00000	4.00000	.01487	.00081	-.00043	-.00338	.00115	.00785	-.00874	-.00478
2.000	.00000	4.00000	.02172	.00204	.00047	-.00411	.00130	.00846	-.01188	-.00619
4.000	.00000	4.00000	.02695	.00329	.00052	-.00343	.00110	.00829	-.01276	-.00834
GRADIENT	.00000	.00000	.00264	.00052	.00023	-.00005	-.00000	.00001	-.00183	-.00064

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.03747	-.00496	-.01262	.00002	.00088	.00355	-.00132	.00043
-6.000	.00000	4.00000	-.03733	-.00469	-.01229	.00030	.00040	.00322	-.00120	.00049
-4.000	.00000	4.00000	-.03498	-.00386	-.01216	.00011	.00023	.00275	-.00139	.00027
-2.000	.00000	4.00000	-.03230	-.00319	-.01167	-.00004	-.00003	.00215	-.00400	-.00052
.000	.00000	4.00000	-.02715	-.00221	-.01084	-.00028	.00018	.00273	-.00800	-.00111
2.000	.00000	4.00000	-.02121	-.00104	-.00961	-.00062	-.00007	.00297	-.00853	-.00234
4.000	.00000	4.00000	-.01577	-.00003	-.00922	-.00108	-.00026	.00310	-.00737	-.00389
GRADIENT	.00000	.00000	.00247	.00049	.00040	-.00015	-.00005	.00008	-.00083	-.00051

LARC UPWT 1177(IA94B) OTSAT130 (MJWA40) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.00865	-.00355	-.00462	.06659	-.01547	-.15708	.01022	-.00254
-6.000	.00000	4.00000	-.00436	-.00268	-.00424	.06392	-.01454	-.15218	.00545	-.00246
-4.000	.00000	4.00000	.00009	-.00149	-.00396	.06031	-.01410	-.14559	.00245	-.00227
-2.000	.00000	4.00000	.00218	-.00065	-.00415	.05648	-.01443	-.13887	-.00063	-.00299
.000	.00000	4.00000	.00760	.00049	-.00363	.05282	-.01517	-.13299	-.00412	-.00392
2.000	.00000	4.00000	.01386	.00179	-.00299	.04910	-.01579	-.12807	-.00794	-.00565
4.000	.00000	4.00000	.01900	.00306	-.00300	.04528	-.01596	-.12379	-.01273	-.00834
GRADIENT	.00000	.00000	.00247	.00058	.00015	-.00187	-.00025	.00272	-.00188	-.00074

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.04578	-.00611	-.01545	.05815	-.01269	-.14164	-.00249	.00029
-6.000	.00000	4.00000	-.04389	-.00552	-.01496	.05665	-.01241	-.13861	-.00473	.00048
-4.000	.00000	4.00000	-.03929	-.00436	-.01426	.05351	-.01210	-.13290	-.00524	.00033
-2.000	.00000	4.00000	-.03418	-.00328	-.01366	.05010	-.01222	-.12706	-.00518	-.00043
.000	.00000	4.00000	-.02798	-.00215	-.01261	.04708	-.01335	-.12196	-.00552	-.00074
2.000	.00000	4.00000	-.02376	-.00101	-.01222	.04222	-.01446	-.11598	-.00717	-.00203
4.000	.00000	4.00000	-.01851	.00008	-.01192	.03808	-.01501	-.11076	-.00784	-.00263
GRADIENT	.00000	.00000	.00260	.00056	.00031	-.00194	-.00040	.00277	-.00036	-.00038

LARC UPWT 1177(1A94B) OTSAT130 (MJWA41) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ. IN. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.00884	-.00361	-.00570	.10126	-.02491	-.23871	.01401	-.00271
-6.000	.00000	4.00000	-.00853	-.00297	-.00622	.09646	-.02342	-.23014	.01012	-.00285
-4.000	.00000	4.00000	-.00446	-.00175	-.00601	.09092	-.02226	-.22042	.00687	-.00319
-2.000	.00000	4.00000	-.00049	-.00083	-.00591	.08543	-.02231	-.21077	.00389	-.00351
.000	.00000	4.00000	.00281	.00028	-.00571	.08159	-.02357	-.20394	.00032	-.00456
2.000	.00000	4.00000	.01230	.00196	-.00443	.07807	-.02442	-.19842	-.00332	-.00758
4.000	.00000	4.00000	.02658	.00382	-.00251	.07445	-.02511	-.19336	-.00669	-.01087
GRADIENT	.00000	.00000	.00374	.00070	.00042	-.00202	-.00039	.00332	-.00172	-.00097

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	4.00000	-.05158	-.00669	-.01770	.09087	-.02105	-.21975	.00139	.00030
-6.000	.00000	4.00000	-.04759	-.00578	-.01635	.08608	-.02031	-.21170	-.00172	.00020
-4.000	.00000	4.00000	-.04047	-.00422	-.01511	.08075	-.01949	-.20269	-.00260	.00029
-2.000	.00000	4.00000	-.03590	-.00314	-.01481	.07658	-.01969	-.19511	-.00267	-.00036
.000	.00000	4.00000	-.03187	-.00216	-.01447	.07246	-.02130	-.18779	-.00329	-.00071
2.000	.00000	4.00000	-.02306	-.00059	-.01302	.06845	-.02264	-.18124	-.00410	-.00228
4.000	.00000	4.00000	-.01681	.00054	-.01275	.06238	-.02297	-.17341	-.00496	-.00353
GRADIENT	.00000	.00000	.00301	.00060	.00033	-.00224	-.00050	.00362	-.00031	-.00048

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJWA42) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	2.00000	-.02621	-.00356	-.00445	-.11586	.03221	.28232	.00959	-.00291
-6.000	.00000	2.00000	-.01835	-.00227	-.00370	-.11087	.03111	.27206	-.00272	-.00554
-4.000	.00000	2.00000	-.00897	-.00074	-.00295	-.10677	.03069	.26128	-.01293	-.00792
-2.000	.00000	2.00000	.00283	.00122	-.00225	-.10539	.03109	.25435	-.02449	-.00951
.000	.00000	2.00000	.01385	.00304	-.00158	-.10631	.03152	.25177	-.03640	-.01003
2.000	.00000	2.00000	.02222	.00455	-.00125	-.10745	.03200	.25023	-.04273	-.01288
4.000	.00000	2.00000	.03560	.00694	-.00037	-.10574	.03207	.24550	-.03916	-.01959
GRADIENT	.00000	.00000	.00543	.00093	.00031	.00000	.00018	-.00178	-.00353	-.00134

LARC UPWT 1177(IA94B) OTSAT130 (MJWA43) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	2.00000	-.02476	-.00366	-.00488	-.07839	.02023	.18935	.01502	-.00138
-6.000	.00000	2.00000	-.01628	-.00216	-.00437	-.07316	.01933	.17843	.00271	-.00440
-4.000	.00000	2.00000	-.00716	-.00052	-.00378	-.06858	.01930	.16804	-.00838	-.00667
-2.000	.00000	2.00000	.00213	.00109	-.00336	-.06795	.01991	.16504	-.01929	-.00803
.000	.00000	2.00000	.01012	.00248	-.00334	-.06820	.01995	.16200	-.03070	-.00852
2.000	.00000	2.00000	.01625	.00372	-.00330	-.06876	.02076	.16110	-.03671	-.01158
4.000	.00000	2.00000	.02702	.00589	-.00290	-.06789	.02057	.15779	-.03536	-.01823
GRADIENT	.00000	.00000	.00412	.00077	.00009	.00003	.00017	-.00122	-.00357	-.00134

LARC UPWT 1177(IA94B) OTSAT130 (MJWA44) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	2.00000	-.02011	-.00335	-.00445	-.00251	.00063	.00776	.02946	-.00205
-6.000	.00000	2.00000	-.01073	-.00178	-.00388	-.00189	.00067	.00553	.01853	-.00503
-4.000	.00000	2.00000	-.00184	-.00026	-.00367	-.00043	.00056	.00200	.00780	-.00794
-2.000	.00000	2.00000	.00384	.00087	-.00405	.00079	.00015	-.00019	-.00071	-.00981
.000	.00000	2.00000	.00910	.00198	-.00463	-.00009	.00006	.00110	-.00916	-.01112
2.000	.00000	2.00000	.01884	.00358	-.00416	-.00061	-.00015	.00101	-.01784	-.01417
4.000	.00000	2.00000	.02651	.00521	-.00459	-.00149	-.00023	.00237	-.02282	-.02093
GRADIENT	.00000	.00000	.00358	.00068	-.00010	-.00018	-.00009	.00010	-.00392	-.00152

LARC UPWT 1177(IA94B) OTSAT130 (MJWA45) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	2.00000	-.02205	-.00374	-.00734	.07329	-.01806	-.17478	.04212	-.00011
-6.000	.00000	2.00000	-.01290	-.00221	-.00713	.07117	-.01759	-.17064	.03438	-.00296
-4.000	.00000	2.00000	-.00425	-.00071	-.00690	.06973	-.01791	-.16712	.02608	-.00619
-2.000	.00000	2.00000	.00492	.00083	-.00640	.06895	-.01885	-.16367	.01735	-.01085
.000	.00000	2.00000	.01207	.00216	-.00640	.06934	-.01957	-.16254	.00765	-.01535
2.000	.00000	2.00000	.02019	.00360	-.00620	.06836	-.02036	-.16019	-.00151	-.01886
4.000	.00000	2.00000	.03021	.00559	-.00606	.06802	-.02079	-.15873	-.00551	-.02359
GRADIENT	.00000	.00000	.00421	.00077	.00009	-.00020	-.00036	.00101	-.00410	-.00214

LARC UPWT 1177(1A94B) OTSAT130 (MJWA46) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	2.00000	-.02703	-.00396	-.00915	.11339	-.02976	-.27043	.04965	.00083
-6.000	.00000	2.00000	-.01700	-.00235	-.00864	.10954	-.02881	-.26347	.04208	-.00162
-4.000	.00000	2.00000	-.00757	-.00067	-.00841	.10652	-.02889	-.25570	.03356	-.00449
-2.000	.00000	2.00000	.00270	.00104	-.00785	.10620	-.03008	-.25235	.02451	-.00832
.000	.00000	2.00000	.01136	.00240	-.00759	.10635	-.03097	-.24996	.01642	-.01300
2.000	.00000	2.00000	.01837	.00375	-.00773	.10603	-.03158	-.24757	.00702	-.01936
4.000	.00000	2.00000	.03009	.00589	-.00695	.10374	-.03199	-.24345	.00297	-.02292
GRADIENT	.00000	.00000	.00455	.00079	.00015	-.00029	-.00038	.00146	-.00393	-.00239

LARC UPWT 1177(1A94B) OTSAT130 (MJWA47) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-10.00000	-.02339	-.00442	-.00282	-.11553	.03140	.28106	.00978	.02634
-6.000	.00000	-10.00000	-.01608	-.00303	-.00253	-.10977	.03003	.26944	-.00300	.02196
-4.000	.00000	-10.00000	-.00785	-.00157	-.00206	-.10571	.02988	.25906	-.01304	.01824
-2.000	.00000	-10.00000	.00044	.00039	-.00119	-.10456	.03042	.25234	-.02393	.01505
.000	.00000	-10.00000	.01497	.00223	-.00060	-.10487	.03056	.24872	-.03577	.01303
2.000	.00000	-10.00000	.02292	.00378	-.00055	-.10641	.03094	.24821	-.04126	.00975
4.000	.00000	-10.00000	.03587	.00606	.00030	-.10479	.03126	.24460	-.03624	.00480
GRADIENT	.00000	.00000	.00530	.00093	.00027	-.00000	.00016	-.00165	-.00319	-.00161

LARC UPWT 1177(IA948) OTSAT130 (MJWA48) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-10.00000	-.02645	-.00474	-.00454	-.07848	.01972	.18872	.01487	.02679
-6.000	.00000	-10.00000	-.01875	-.00319	-.00428	-.07314	.01887	.17905	.00258	.02203
-4.000	.00000	-10.00000	-.01154	-.00175	-.00425	-.06847	.01880	.16965	-.00815	.01873
-2.000	.00000	-10.00000	-.00198	-.00003	-.00397	-.06761	.01918	.16467	-.01877	.01581
.000	.00000	-10.00000	.00536	.00132	-.00433	-.06772	.01914	.16135	-.03052	.01365
2.000	.00000	-10.00000	.01036	.00228	-.00519	-.06786	.01920	.15965	-.03733	.00932
4.000	.00000	-10.00000	.01909	.00452	-.00436	-.06791	.02029	.15857	-.03339	.00481
GRADIENT	.00000	.00000	.00368	.00074	-.00007	.00004	.00015	-.00136	-.00345	-.00172

LARC UPWT 1177(IA948) OTSAT130 (MJWA49) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-10.00000	-.00366	-.00350	.00073	-.00130	.00043	.00564	.02991	.02434
-6.000	.00000	-10.00000	.00389	-.00195	.00077	-.00028	.00027	.00248	.01897	.01874
-4.000	.00000	-10.00000	.01018	-.00057	.00032	.00079	.00019	.00142	.00839	.01356
-2.000	.00000	-10.00000	.01608	.00070	-.00034	.00160	-.00012	-.00072	-.00072	.00989
.000	.00000	-10.00000	.02042	.00174	-.00107	.00197	-.00069	-.00292	-.00876	.00757
2.000	.00000	-10.00000	.02861	.00322	-.00092	.00125	-.00076	-.00215	-.01668	.00418
4.000	.00000	-10.00000	.03466	.00471	-.00168	.00081	-.00106	-.00149	-.02045	-.00113
GRADIENT	.00000	.00000	.00307	.00065	-.00023	-.00002	-.00016	-.00036	-.00368	-.00175

LARC UPWT 1177(IA94B) OTSAT130 (MJWA50) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-10.00000	-.02631	-.00494	-.00815	.07552	-.01910	-.17940	.04291	.02572
-6.000	.00000	-10.00000	-.01700	-.00336	-.00800	.07317	-.01865	-.17570	.03517	.02032
-4.000	.00000	-10.00000	-.00794	-.00179	-.00762	.07161	-.01904	-.17109	.02680	.01518
-2.000	.00000	-10.00000	.00144	-.00025	-.00718	.07169	-.02012	-.16912	.01810	.00905
.000	.00000	-10.00000	.00843	.00109	-.00708	.07186	-.02082	-.16826	.00884	.00304
2.000	.00000	-10.00000	.01644	.00253	-.00699	.07135	-.02161	-.16613	.00001	-.00088
4.000	.00000	-10.00000	.02589	.00453	-.00664	.07114	-.02205	-.16516	-.00303	-.00422
GRADIENT	.00000	.00000	.00423	.00077	.00011	-.00006	-.00037	.00074	-.00389	-.00244

LARC UPWT 1177(IA94B) OTSAT130 (MJWA51) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	.00000	-10.00000	-.02951	-.00527	-.00963	.11500	-.03097	-.27372	.04966	.02692
-6.000	.00000	-10.00000	-.02016	-.00344	-.00907	.11087	-.02956	-.26689	.04277	.02196
-4.000	.00000	-10.00000	-.01077	-.00186	-.00911	.10866	-.03006	-.26108	.03390	.01615
-2.000	.00000	-10.00000	-.00047	-.00032	-.00886	.10833	-.03156	-.25692	.02479	.01054
.000	.00000	-10.00000	.00511	.00105	-.00901	.10725	-.03144	-.25166	.01763	.00531
2.000	.00000	-10.00000	.01267	.00247	-.00897	.10752	-.03223	-.25024	.00846	-.00093
4.000	.00000	-10.00000	.02587	.00479	-.00797	.10620	-.03300	-.24855	.00516	-.00350
GRADIENT	.00000	.00000	.00432	.00080	.00011	-.00029	-.00033	.00159	-.00369	-.00254

LARC UPWT 1177(1A94B) OTSAT130 (MJWA52) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.01955	-.00371	-.00447	-.11694	.03244	.28188	-.08038	.02513
-6.000	12.00000	-10.00000	-.01270	-.00245	-.00397	-.11156	.03139	.27123	-.08658	.02058
-4.000	12.00000	-10.00000	-.00404	-.00094	-.00322	-.10767	.03122	.26209	-.09270	.01681
-2.000	12.00000	-10.00000	.00712	.00093	-.00243	-.10671	.03189	.25548	-.10054	.01385
.000	12.00000	-10.00000	.01720	.00268	-.00189	-.10760	.03206	.25205	-.10950	.01181
2.000	12.00000	-10.00000	.02598	.00428	-.00142	-.10904	.03245	.25131	-.11297	.00840
4.000	12.00000	-10.00000	.03778	.00645	-.00083	-.10721	.03272	.24681	-.10705	.00367
GRADIENT	.00000	.00000	.00513	.00091	.00029	-.00007	.00018	-.00174	-.00206	-.00159

LARC UPWT 1177(1A94B) OTSAT130 (MJWA53) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.01927	-.00383	-.00534	-.07840	.02057	.18830	-.07155	.02526
-6.000	12.00000	-10.00000	-.01268	-.00245	-.00519	-.07308	.01978	.17852	-.07762	.02054
-4.000	12.00000	-10.00000	-.00694	-.00103	-.00561	-.06919	.01992	.16950	-.08446	.01715
-2.000	12.00000	-10.00000	.00316	.00069	-.00496	-.06887	.02045	.16490	-.09233	.01390
.000	12.00000	-10.00000	.01031	.00202	-.00512	-.06791	.02014	.15971	-.10012	.01178
2.000	12.00000	-10.00000	.01616	.00331	-.00520	-.06917	.02094	.16033	-.10327	.00801
4.000	12.00000	-10.00000	.02534	.00520	-.00493	-.06917	.02128	.15917	-.09853	.00353
GRADIENT	.00000	.00000	.00388	.00075	.00006	-.00001	.00016	-.00126	-.00195	-.00166

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(1A94B) OTSAT130 (MJWA54) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.00691	-.00296	-.00390	-.00270	.00088	.00783	-.05044	.02342
-6.000	12.00000	-10.00000	.00151	-.00138	-.00350	-.00195	.00085	.00529	-.05517	.01775
-4.000	12.00000	-10.00000	.00973	.00008	-.00336	-.00076	.00073	.00282	-.05990	.01264
-2.000	12.00000	-10.00000	.01611	.00134	-.00367	.00009	.00046	.00118	-.06369	.00876
.000	12.00000	-10.00000	.02140	.00246	-.00410	.00018	.00010	.00025	-.06739	.00615
2.000	12.00000	-10.00000	.02961	.00393	-.00408	.00022	-.00027	-.00108	-.07296	.00295
4.000	12.00000	-10.00000	.03720	.00552	-.00457	-.00130	-.00016	.00142	-.07501	-.00152
GRADIENT	.00000	.00000	.00342	.00067	-.00014	-.00005	-.00013	-.00025	-.00197	-.00171

LARC UPWT 1177(1A94B) OTSAT130 (MJWA55) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.02135	-.00400	-.01186	.07433	-.01846	-.17728	-.02698	.02494
-6.000	12.00000	-10.00000	-.01275	-.00243	-.01172	.07205	-.01805	-.17288	-.03075	.01951
-4.000	12.00000	-10.00000	-.00412	-.00094	-.01145	.07110	-.01870	-.17030	-.03430	.01464
-2.000	12.00000	-10.00000	.00481	.00056	-.01095	.07034	-.01950	-.16670	-.03790	.00892
.000	12.00000	-10.00000	.01167	.00179	-.01084	.07036	-.01994	-.16419	-.04340	.00276
2.000	12.00000	-10.00000	.01982	.00326	-.01076	.06979	-.02070	-.16287	-.04790	-.00147
4.000	12.00000	-10.00000	.02919	.00519	-.01096	.06992	-.02160	-.16234	-.04734	-.00470
GRADIENT	.00000	.00000	.00408	.00075	.00006	-.00015	-.00035	.00099	-.00180	-.00245

LARC UPWT 1177(IA94B) OTSAT130 (MJWA56) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.02556	-.00425	-.01387	.11336	-.02994	-.27023	-.01727	.02677
-6.000	12.00000	-10.00000	-.01669	-.00264	-.01354	.10953	-.02909	-.26323	-.01952	.02147
-4.000	12.00000	-10.00000	-.00797	-.00101	-.01342	.10727	-.02945	-.25733	-.02282	.01633
-2.000	12.00000	-10.00000	.00269	.00066	-.01279	.10644	-.03044	-.25280	-.02672	.01101
.000	12.00000	-10.00000	.01010	.00193	-.01283	.10625	-.03106	-.24919	-.03140	.00491
2.000	12.00000	-10.00000	.01748	.00334	-.01294	.10603	-.03175	-.24739	-.03737	-.00141
4.000	12.00000	-10.00000	.02840	.00541	-.01233	.10453	-.03241	-.24444	-.03751	-.00417
GRADIENT	.00000	.00000	.00438	.00078	.00010	-.00029	-.00036	.00156	-.00200	-.00267

LARC UPWT 1177(IA94B) OTSAT130 (MJWA57) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.01244	-.00274	-.00416	-.11650	.03241	.28230	-.07787	.00937
-6.000	12.00000	-5.00000	-.00556	-.00150	-.00349	-.11140	.03152	.27127	-.08407	.00587
-4.000	12.00000	-5.00000	.00328	-.00002	-.00259	-.10758	.03138	.26125	-.09050	.00260
-2.000	12.00000	-5.00000	.01386	.00173	-.00181	-.10630	.03179	.25417	-.09845	.00027
.000	12.00000	-5.00000	.02353	.00337	-.00115	-.10739	.03224	.25221	-.10730	-.00091
2.000	12.00000	-5.00000	.03229	.00496	-.00066	-.10883	.03267	.25122	-.11139	-.00363
4.000	12.00000	-5.00000	.04411	.00708	.00020	-.10660	.03268	.24552	-.10594	-.00754
GRADIENT	.00000	.00000	.00500	.00087	.00034	-.00003	.00017	-.00172	-.00219	-.00121

LARC UPWT 1177(IA94B) OTSAT130 (MJWA57) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	.00970	-.00038	-.00106	-.10926	.02805	.26075	-.06702	.01230
-6.000	12.00000	-5.00000	.01211	.00004	-.00047	-.10481	.02660	.25076	-.06606	.01119
-4.000	12.00000	-5.00000	.01460	.00067	-.00005	-.09970	.02528	.24001	-.06904	.00997
-2.000	12.00000	-5.00000	.01704	.00100	.00041	-.09351	.02490	.22823	-.07454	.00770
.000	12.00000	-5.00000	.01888	.00150	.00024	-.08846	.02541	.21883	-.07607	.00592
2.000	12.00000	-5.00000	.02370	.00242	.00080	-.08637	.02638	.21471	-.08093	.00385
4.000	12.00000	-5.00000	.03092	.00357	.00147	-.08369	.02703	.21035	-.08131	.00146
GRADIENT	.00000	.00000	.00196	.00036	.00017	.00196	.00025	-.00364	-.00155	-.00104

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.01596	-.00204	-.00857	-.09268	.02199	.23126	-.04629	.01233
-6.000	12.00000	-5.00000	-.01568	-.00176	-.00830	-.08866	.02075	.22338	-.04324	.01130
-4.000	12.00000	-5.00000	-.01234	-.00109	-.00779	-.08322	.02020	.21327	-.03985	.00880
-2.000	12.00000	-5.00000	-.01114	-.00069	-.00745	-.07821	.02019	.20328	-.03813	.00648
.000	12.00000	-5.00000	-.01103	-.00052	-.00739	-.07466	.02108	.19501	-.04208	.00622
2.000	12.00000	-5.00000	-.00984	-.00023	-.00733	-.06961	.02254	.18647	-.04205	.00538
4.000	12.00000	-5.00000	-.00541	.00054	-.00693	-.06347	.02262	.17762	-.04383	.00370
GRADIENT	.00000	.00000	.00076	.00019	.00009	.00240	.00036	-.00440	-.00059	-.00057

LARC UPWT 1177(IA94B) OTSAT130 (MJWA58) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.01167	-.00284	-.00489	-.07744	.02062	.18699	-.06929	.01007
-6.000	12.00000	-5.00000	-.00461	-.00142	-.00443	-.07299	.01995	.17764	-.07532	.00613
-4.000	12.00000	-5.00000	.00375	.00008	-.00372	-.06921	.02004	.16863	-.08196	.00309
-2.000	12.00000	-5.00000	.01347	.00170	-.00302	-.06862	.02040	.16456	-.08971	.00082
.000	12.00000	-5.00000	.02061	.00301	-.00299	-.06906	.02072	.16326	-.09755	-.00057
2.000	12.00000	-5.00000	.02651	.00419	-.00289	-.06922	.02128	.16135	-.10101	-.00323
4.000	12.00000	-5.00000	.03614	.00610	-.00244	-.06855	.02111	.15804	-.09653	-.00694
GRADIENT	.00000	.00000	.00389	.00073	.00013	.00004	.00015	-.00122	-.00202	-.00121

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	.00954	-.00090	-.00095	-.07323	.01828	.17390	-.04883	.01294
-6.000	12.00000	-5.00000	.01269	-.00027	-.00042	-.07085	.01716	.16786	-.04942	.01147
-4.000	12.00000	-5.00000	.01590	.00034	.00007	-.06690	.01645	.15960	-.05264	.00999
-2.000	12.00000	-5.00000	.02013	.00104	.00081	-.06253	.01637	.15097	-.05691	.00799
.000	12.00000	-5.00000	.02466	.00189	.00113	-.05899	.01669	.14443	-.06047	.00613
2.000	12.00000	-5.00000	.02744	.00261	.00119	-.05497	.01705	.13873	-.06919	.00404
4.000	12.00000	-5.00000	.03369	.00379	.00162	-.05040	.01719	.13340	-.06748	.00228
GRADIENT	.00000	.00000	.00214	.00042	.00017	.00203	.00011	-.00323	-.00210	-.00097

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.01972	-.00264	-.00990	-.05926	.01371	.14986	-.03898	.01112
-6.000	12.00000	-5.00000	-.02028	-.00248	-.00952	-.05690	.01291	.14475	-.03586	.01010
-4.000	12.00000	-5.00000	-.01716	-.00186	-.00904	-.05391	.01259	.13865	-.03372	.00884
-2.000	12.00000	-5.00000	-.01463	-.00137	-.00835	-.04976	.01249	.13091	-.03302	.00764
.000	12.00000	-5.00000	-.01152	-.00065	-.00784	-.04721	.01281	.12525	-.03249	.00677
2.000	12.00000	-5.00000	-.00808	.00007	-.00745	-.04226	.01351	.11809	-.03392	.00555
4.000	12.00000	-5.00000	-.00534	.00062	-.00739	-.03700	.01398	.11091	-.03482	.00423
GRADIENT	.00000	.00000	.00151	.00032	.00021	.00207	.00019	-.00342	-.00016	-.00057

LARC UPWT 1177(IA94B) OTSAT130 (MJWA59) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.00258	-.00209	-.00489	-.00027	.00024	.00260	-.04775	.00909
-6.000	12.00000	-5.00000	.00558	-.00063	-.00433	.00003	.00037	.00136	-.05258	.00462
-4.000	12.00000	-5.00000	.01446	.00089	-.00383	.00030	.00024	-.00131	-.05738	.00065
-2.000	12.00000	-5.00000	.02079	.00210	-.00392	.00272	-.00017	-.00458	-.06090	-.00194
.000	12.00000	-5.00000	.02539	.00306	-.00442	.00240	-.00046	-.00395	-.06483	-.00362
2.000	12.00000	-5.00000	.03514	.00465	-.00383	.00180	-.00064	-.00382	-.06956	-.00589
4.000	12.00000	-5.00000	.04246	.00619	-.00422	.00095	-.00069	-.00283	-.07188	-.01041
GRADIENT	.00000	.00000	.00352	.00066	-.00003	-.00007	-.00012	-.00011	-.00188	-.00130

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	.00677	-.00167	-.00192	-.00201	.00134	.00585	-.03798	.00825
-6.000	12.00000	-5.00000	.01065	-.00113	-.00108	-.00230	.00118	.00574	-.03666	.00728
-4.000	12.00000	-5.00000	.01536	-.00025	-.00083	-.00234	.00106	.00531	-.03792	.00573
-2.000	12.00000	-5.00000	.01683	.00045	-.00119	-.00206	.00084	.00461	-.04263	.00458
.000	12.00000	-5.00000	.02296	.00145	-.00022	-.00213	.00073	.00445	-.04540	.00411
2.000	12.00000	-5.00000	.03012	.00264	.00082	-.00293	.00082	.00541	-.04641	.00276
4.000	12.00000	-5.00000	.03402	.00383	.00046	-.00227	.00072	.00519	-.04790	.00110
GRADIENT	.00000	.00000	.00253	.00052	.00023	-.00004	-.00004	.00003	-.00119	-.00055

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.02275	-.00393	-.01011	.00101	.00060	.00130	-.03065	.00696
-6.000	12.00000	-5.00000	-.02329	-.00365	-.00590	.00129	.00005	.00110	-.02795	.00679
-4.000	12.00000	-5.00000	-.02035	-.00275	-.00966	.00116	-.00006	.00040	-.02708	.00557
-2.000	12.00000	-5.00000	-.01807	-.00209	-.00917	.00099	-.00042	-.00022	-.02975	.00443
.000	12.00000	-5.00000	-.01298	-.00111	-.00837	.00093	-.00030	.00032	-.03253	.00390
2.000	12.00000	-5.00000	-.00539	.00012	-.00674	.00020	-.00051	.00110	-.03105	.00378
4.000	12.00000	-5.00000	-.00056	.00111	-.00631	-.00040	-.00069	.00143	-.02811	.00320
GRADIENT	.00000	.00000	.00261	.00050	.00046	-.00019	-.00007	.00017	-.00017	-.00027

LARC UPWT 1177(IA94B) OTSAT130 (MJWA60) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.00556	-.00248	-.00864	.07507	-.01873	-.17834	-.02533	.01118
-6.000	12.00000	-5.00000	.00230	-.00104	-.00846	.07271	-.01817	-.17349	-.02690	.00736
-4.000	12.00000	-5.00000	.00945	.00037	-.00848	.07140	-.01867	-.16956	-.03253	.00340
-2.000	12.00000	-5.00000	.01884	.00187	-.00776	.07143	-.01969	-.16792	-.03608	-.00161
.000	12.00000	-5.00000	.02577	.00311	-.00759	.07121	-.02021	-.16579	-.04112	-.00634
2.000	12.00000	-5.00000	.03295	.00446	-.00767	.07058	-.02098	-.16399	-.04579	-.00937
4.000	12.00000	-5.00000	.04345	.00642	-.00695	.07007	-.02143	-.16229	-.04953	-.01235
GRADIENT	.00000	.00000	.00411	.00073	.00016	-.00018	-.00034	.00092	-.00179	-.00196

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.00122	-.00313	-.00504	.06711	-.01542	-.15776	-.02874	.00503
-6.000	12.00000	-5.00000	.00281	-.00229	-.00444	.06404	-.01435	-.15247	-.02832	.00441
-4.000	12.00000	-5.00000	.00678	-.00109	-.00424	.06007	-.01392	-.14564	-.02796	.00418
-2.000	12.00000	-5.00000	.01005	-.00018	-.00431	.05658	-.01442	-.13922	-.02775	.00327
.000	12.00000	-5.00000	.01475	.00089	-.00397	.05284	-.01513	-.13325	-.02990	.00227
2.000	12.00000	-5.00000	.02039	.00219	-.00333	.04902	-.01569	-.12839	-.03294	.00071
4.000	12.00000	-5.00000	.02680	.00358	-.00361	.04530	-.01593	-.12397	-.03610	-.00085
GRADIENT	.00000	.00000	.00252	.00059	.00011	-.00185	-.00027	.00271	-.00107	-.00063

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.03617	-.00545	-.01456	.05986	-.01319	-.14619	-.02821	.00643
-6.000	12.00000	-5.00000	-.03431	-.00488	-.01362	.05834	-.01297	-.14217	-.02690	.00631
-4.000	12.00000	-5.00000	-.02873	-.00359	-.01281	.05458	-.01252	-.13535	-.02520	.00562
-2.000	12.00000	-5.00000	-.02467	-.00259	-.01237	.05127	-.01269	-.12990	-.02346	.00483
.000	12.00000	-5.00000	-.01827	-.00140	-.01114	.04847	-.01382	-.12499	-.02213	.00416
2.000	12.00000	-5.00000	-.01384	-.00031	-.01074	.04314	-.01479	-.11818	-.02282	.00302
4.000	12.00000	-5.00000	-.00760	.00085	-.01035	.03943	-.01556	-.11382	-.02288	.00254
GRADIENT	.00000	.00000	.00265	.00056	.00033	-.00192	-.00041	.00274	.00026	-.00040

LARC UPWT 1177(IA94B) OTSAT130 (MJWA61) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.01082	-.00276	-.01073	.11331	-.03000	-.26958	-.01607	.01278
-6.000	12.00000	-5.00000	-.00139	-.00116	-.01011	.11011	-.02924	-.26349	-.01781	.00916
-4.000	12.00000	-5.00000	.00736	.00046	-.00989	.10710	-.02953	-.25613	-.02117	.00510
-2.000	12.00000	-5.00000	.01721	.00208	-.00937	.10684	-.03067	-.25261	-.02499	.00079
.000	12.00000	-5.00000	.02452	.00334	-.00924	.10639	-.03114	-.24899	-.02936	-.00404
2.000	12.00000	-5.00000	.03120	.00460	-.00936	.10607	-.03171	-.24665	-.03542	-.00948
4.000	12.00000	-5.00000	.04241	.00661	-.00847	.10444	-.03232	-.24351	-.03574	-.01180
GRADIENT	.00000	.00000	.00420	.00074	.00014	-.00030	-.00033	.00156	-.00198	-.00229

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.00093	-.00319	-.00615	.10223	-.02498	-.24104	-.02257	.00369
-6.000	12.00000	-5.00000	-.00106	-.00257	-.00673	.09715	-.02337	-.23163	-.02150	.00334
-4.000	12.00000	-5.00000	.00262	-.00137	-.00673	.09197	-.02236	-.22204	-.02106	.00275
-2.000	12.00000	-5.00000	.00659	-.00045	-.00659	.08643	-.02249	-.21291	-.02100	.00200
.000	12.00000	-5.00000	.00942	.00064	-.00637	.08228	-.02350	-.20566	-.02234	.00138
2.000	12.00000	-5.00000	.02028	.00241	-.00464	.07886	-.02445	-.20016	-.02371	-.00063
4.000	12.00000	-5.00000	.03315	.00423	-.00342	.07526	-.02522	-.19498	-.02525	-.00239
GRADIENT	.00000	.00000	.00374	.00070	.00043	-.00205	-.00038	.00334	-.00055	-.00065

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.04115	-.00603	-.01645	.09301	-.02161	-.22463	-.02358	.00523
-6.000	12.00000	-5.00000	-.03671	-.00516	-.01474	.08743	-.02063	-.21483	-.02317	.00511
-4.000	12.00000	-5.00000	-.03028	-.00363	-.01371	.08251	-.02002	-.20659	-.02161	.00467
-2.000	12.00000	-5.00000	-.02568	-.00249	-.01342	.07847	-.02038	-.19954	-.01901	.00407
.000	12.00000	-5.00000	-.02140	-.00149	-.01283	.07412	-.02192	-.19176	-.01721	.00351
2.000	12.00000	-5.00000	-.01197	.00014	-.01148	.06985	-.02322	-.18480	-.01670	.00265
4.000	12.00000	-5.00000	-.00620	.00133	-.01139	.06389	-.02352	-.17693	-.01654	.00225
GRADIENT	.00000	.00000	.00309	.00063	.00033	-.00229	-.00049	.00370	.00062	-.00031

LARC UPWT 1177(IA94B) OTSAT130 (MJWA62) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	.00454	-.00045	-.00196	-.10906	.02763	.26103	-.06840	.00329
-6.000	12.00000	.00000	.00713	-.00005	-.00133	-.10455	.02615	.25120	-.06753	.00245
-4.000	12.00000	.00000	.01017	.00055	-.00094	-.09920	.02480	.24011	-.07008	.00149
-2.000	12.00000	.00000	.01069	.00072	-.00077	-.09302	.02446	.22834	-.07486	-.00014
.000	12.00000	.00000	.01306	.00124	-.00080	-.08818	.02497	.21893	-.07621	-.00185
2.000	12.00000	.00000	.01824	.00217	-.00032	-.08534	.02561	.21295	-.08149	-.00384
4.000	12.00000	.00000	.02382	.00322	.00022	-.08339	.02655	.20965	-.08117	-.00608
GRADIENT	.00000	.00000	.00174	.00034	.00014	.00197	.00023	-.00382	-.00144	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.01485	-.00186	-.00924	-.09270	.02186	.23210	-.04792	.00567
-6.000	12.00000	.00000	-.01337	-.00153	-.00871	-.08763	.02037	.22163	-.04514	.00467
-4.000	12.00000	.00000	-.01181	-.00098	-.00864	-.08241	.02000	.21245	-.04155	.00226
-2.000	12.00000	.00000	-.00994	-.00054	-.00812	-.07727	.01992	.20220	-.03976	.00045
.000	12.00000	.00000	-.01054	-.00049	-.00821	-.07346	.02070	.19378	-.04421	.00105
2.000	12.00000	.00000	-.00869	-.00012	-.00815	-.06891	.02235	.18587	-.04420	-.00031
4.000	12.00000	.00000	-.00473	.00067	-.00777	-.06291	.02241	.17706	-.04608	-.00238
GRADIENT	.00000	.00000	.00077	.00019	.00009	.00237	.00036	-.00436	-.00067	-.00050

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJWA63) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	.00311	-.00112	-.00253	-.07157	.01731	.17082	-.04909	.00478
-6.000	12.00000	.00000	.00522	-.00059	-.00222	-.06911	.01621	.16472	-.04941	.00338
-4.000	12.00000	.00000	.00727	-.00006	-.00190	-.06534	.01559	.15648	-.05244	.00215
-2.000	12.00000	.00000	.01190	.00053	-.00112	-.06102	.01545	.14785	-.05726	.00050
.000	12.00000	.00000	.01703	.00155	-.00072	-.05726	.01582	.14087	-.06079	-.00116
2.000	12.00000	.00000	.01942	.00227	-.00064	-.05300	.01620	.13478	-.06911	-.00259
4.000	12.00000	.00000	.02418	.00335	-.00059	-.04834	.01629	.12902	-.06711	-.00490
GRADIENT	.00000	.00000	.00207	.00042	.00015	.00210	.00011	-.00340	-.00206	-.00086

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.01850	-.00245	-.01051	-.05758	.01301	.14644	-.04010	.00529
-6.000	12.00000	.00000	-.01889	-.00229	-.01041	-.05461	.01203	.14021	-.03725	.00494
-4.000	12.00000	.00000	-.01662	-.00174	-.01019	-.05147	.01160	.13402	-.03436	.00386
-2.000	12.00000	.00000	-.01423	-.00127	-.00940	-.04730	.01158	.12633	-.03439	.00280
.000	12.00000	.00000	-.01121	-.00054	-.00885	-.04512	.01206	.12120	-.03434	.00195
2.000	12.00000	.00000	-.00681	.00022	-.00840	-.04016	.01269	.11405	-.03485	.00062
4.000	12.00000	.00000	-.00464	.00075	-.00814	-.03544	.01327	.10766	-.03557	-.00094
GRADIENT	.00000	.00000	.00157	.00032	.00025	.00196	.00022	-.00325	-.00011	-.00059

LARC UPWT 1177(1A94B) OTSAT130 (MJWA64) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	.00791	-.00138	-.00088	-.00373	.00124	.00987	-.03965	.00131
-6.000	12.00000	.00000	.01109	-.00090	-.00025	-.00350	.00087	.00869	-.03790	.00090
-4.000	12.00000	.00000	.01523	-.00010	-.00002	-.00302	.00068	.00729	-.03947	-.00050
-2.000	12.00000	.00000	.01503	.00048	-.00088	-.00296	.00046	.00659	-.04437	-.00132
.000	12.00000	.00000	.02104	.00147	-.00009	-.00267	.00032	.00580	-.04720	-.00193
2.000	12.00000	.00000	.02694	.00258	.00074	-.00310	.00034	.00603	-.04779	-.00330
4.000	12.00000	.00000	.03204	.00377	.00039	-.00262	.00024	.00587	-.04852	-.00490
GRADIENT	.00000	.00000	.00228	.00049	.00012	.00003	-.00005	-.00017	-.00108	-.00054

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.02326	-.00376	-.01101	.00240	-.00025	-.00165	-.03213	.00321
-6.000	12.00000	.00000	-.02386	-.00352	-.01086	.00227	-.00055	-.00123	-.02899	.00299
-4.000	12.00000	.00000	-.02017	-.00260	-.01012	.00222	-.00067	-.00192	-.02760	.00204
-2.000	12.00000	.00000	-.01679	-.00189	-.00947	.00198	-.00084	-.00252	-.03044	.00112
.000	12.00000	.00000	-.01234	-.00094	-.00886	.00202	-.00090	-.00243	-.03349	.00050
2.000	12.00000	.00000	-.00597	.00024	-.00750	.00154	-.00121	-.00228	-.03182	.00010
4.000	12.00000	.00000	.00020	.00128	-.00686	.00109	-.00139	-.00205	-.02882	-.00077
GRADIENT	.00000	.00000	.00258	.00049	.00042	-.00013	-.00009	-.00000	-.00019	-.00033

LARC UPWT 1177(IA94B) OTSAT130 (MJWA65) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.01185	-.00347	-.00799	.06603	-.01589	-.15557	-.03048	-.00101
-6.000	12.00000	.00000	-.00777	-.00263	-.00736	.06321	-.01492	-.15071	-.03008	-.00104
-4.000	12.00000	.00000	-.00389	-.00149	-.00722	.05977	-.01469	-.14459	-.02970	-.00095
-2.000	12.00000	.00000	-.00249	-.00066	-.00752	.05601	-.01502	-.13782	-.02930	-.00098
.000	12.00000	.00000	.00313	.00048	-.00703	.05235	-.01572	-.13196	-.03134	-.00174
2.000	12.00000	.00000	.00845	.00173	-.00655	.04860	-.01624	-.12729	-.03437	-.00382
4.000	12.00000	.00000	.01399	.00302	-.00688	.04500	-.01660	-.12334	-.03735	-.00573
GRADIENT	.00000	.00000	.00234	.00057	.00008	-.00185	-.00025	.00265	-.00102	-.00062

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.03375	-.00501	-.01552	.06139	-.01420	-.14974	-.02888	.00246
-6.000	12.00000	.00000	-.03269	-.00453	-.01493	.05939	-.01383	-.14449	-.02760	.00263
-4.000	12.00000	.00000	-.02816	-.00333	-.01441	.05615	-.01357	-.13872	-.02588	.00240
-2.000	12.00000	.00000	-.02320	-.00229	-.01361	.05244	-.01356	-.13289	-.02434	.00180
.000	12.00000	.00000	-.01751	-.00117	-.01252	.04981	-.01475	-.12820	-.02306	.00133
2.000	12.00000	.00000	-.01323	-.00014	-.01213	.04491	-.01591	-.12219	-.02373	-.00018
4.000	12.00000	.00000	-.00838	.00092	-.01219	.04084	-.01648	-.11709	-.02381	-.00066
GRADIENT	.00000	.00000	.00248	.00053	.00030	-.00191	-.00041	.00270	.00024	-.00041

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.01205	-.00353	-.00946	.10283	-.02589	-.24273	-.02403	-.00087
-6.000	12.00000	.00000	-.01117	-.00288	-.00978	.09796	-.02439	-.23416	-.02298	-.00092
-4.000	12.00000	.00000	-.00689	-.00165	-.00948	.09259	-.02330	-.22445	-.02220	-.00117
-2.000	12.00000	.00000	-.00320	-.00070	-.00927	.08745	-.02351	-.21549	-.02203	-.00136
.000	12.00000	.00000	.00135	.00048	-.00886	.08341	-.02463	-.20836	-.02334	-.00221
2.000	12.00000	.00000	.01154	.00218	-.00736	.07948	-.02530	-.20184	-.02448	-.00498
4.000	12.00000	.00000	.02538	.00404	-.00589	.07650	-.02628	-.19762	-.02564	-.00748
GRADIENT	.00000	.00000	.00396	.00071	.00045	-.00201	-.00039	.00337	-.00047	-.00081

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	.00000	-.04014	-.00569	-.01818	.09341	-.02240	-.22524	-.02475	.00263
-6.000	12.00000	.00000	-.03763	-.00495	-.01714	.08778	-.02143	-.21549	-.02434	.00250
-4.000	12.00000	.00000	-.03144	-.00348	-.01606	.08314	-.02085	-.20748	-.02279	.00251
-2.000	12.00000	.00000	-.02748	-.00240	-.01571	.07887	-.02105	-.19970	-.02018	.00209
.000	12.00000	.00000	-.02403	-.00147	-.01559	.07470	-.02271	-.19244	-.01856	.00163
2.000	12.00000	.00000	-.01484	.00013	-.01422	.07041	-.02404	-.18572	-.01834	.00013
4.000	12.00000	.00000	-.00916	.00127	-.01411	.06450	-.02433	-.17783	-.01788	-.00077
GRADIENT	.00000	.00000	.00286	.00060	.00027	-.00229	-.00050	.00366	.00058	-.00043

LARC UPWT 1177(IA94B) OTSAT130 (MJWA67) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	.00572	-.00021	-.00140	-.10869	.02806	.25990	-.06701	-.00412
-6.000	12.00000	4.00000	.00812	.00016	-.00075	-.10440	.02661	.25026	-.06604	-.00482
-4.000	12.00000	4.00000	.01095	.00075	-.00027	-.09949	.02544	.24017	-.06861	-.00569
-2.000	12.00000	4.00000	.01185	.00094	-.00015	-.09303	.02494	.22770	-.07327	-.00704
.000	12.00000	4.00000	.01411	.00148	-.00009	-.08826	.02554	.21885	-.07448	-.00863
2.000	12.00000	4.00000	.01950	.00242	.00046	-.08565	.02622	.21331	-.07959	-.01067
4.000	12.00000	4.00000	.02546	.00351	.00102	-.08308	.02694	.20864	-.07917	-.01343
GRADIENT	.00000	.00000	.00183	.00035	.00016	.00201	.00021	-.00387	-.00137	-.00096

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.01635	-.00181	-.00871	-.09226	.02237	.23018	-.04662	-.00138
-6.000	12.00000	4.00000	-.01491	-.00148	-.00819	-.08808	.02112	.22211	-.04349	-.00241
-4.000	12.00000	4.00000	-.01212	-.00088	-.00770	-.08268	.02045	.21235	-.04017	-.00404
-2.000	12.00000	4.00000	-.01135	-.00053	-.00743	-.07774	.02048	.20233	-.03810	-.00580
.000	12.00000	4.00000	-.01108	-.00039	-.00733	-.07367	.02115	.19365	-.04281	-.00486
2.000	12.00000	4.00000	-.00891	-.00001	-.00711	-.06909	.02281	.18555	-.04248	-.00609
4.000	12.00000	4.00000	-.00553	.00074	-.00684	-.06311	.02293	.17677	-.04424	-.00879
GRADIENT	.00000	.00000	.00078	.00019	.00010	.00239	.00036	-.00440	-.00063	-.00049

LARC UPWT 1177(1A94B) OTSAT130 (MJWA68) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	.00455	-.00084	-.00179	-.07228	.01805	.17216	-.04769	-.00192
-6.000	12.00000	4.00000	.00719	-.00028	-.00126	-.06974	.01690	.16596	-.04803	-.00297
-4.000	12.00000	4.00000	.00955	.00026	-.00087	-.06586	.01628	.15749	-.05115	-.00414
-2.000	12.00000	4.00000	.01397	.00094	-.00011	-.06143	.01615	.14849	-.05590	-.00573
.000	12.00000	4.00000	.01900	.00184	.00028	-.05803	.01652	.14234	-.05953	-.00742
2.000	12.00000	4.00000	.02237	.00260	.00046	-.05371	.01676	.13611	-.06789	-.00912
4.000	12.00000	4.00000	.02685	.00372	.00046	-.04909	.01687	.13044	-.06559	-.01185
GRADIENT	.00000	.00000	.00215	.00043	.00016	.00206	.00009	-.00332	-.00204	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.01951	-.00236	-.00998	-.05884	.01391	.14875	-.03907	-.00104
-6.000	12.00000	4.00000	-.01872	-.00211	-.00941	-.05599	.01293	.14277	-.03607	-.00104
-4.000	12.00000	4.00000	-.01569	-.00154	-.00877	-.05305	.01261	.13706	-.03371	-.00165
-2.000	12.00000	4.00000	-.01458	-.00114	-.00835	-.04879	.01251	.12901	-.03287	-.00252
.000	12.00000	4.00000	-.01036	-.00037	-.00754	-.04658	.01297	.12379	-.03269	-.00335
2.000	12.00000	4.00000	-.00745	.00030	-.00745	-.04151	.01353	.11638	-.03378	-.00481
4.000	12.00000	4.00000	-.00486	.00088	-.00716	-.03637	.01399	.10934	-.03462	-.00682
GRADIENT	.00000	.00000	.00144	.00031	.00021	.00203	.00019	-.00340	-.00014	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJWA69) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	.00950	-.00104	-.00039	-.00422	.00172	.01087	-.04022	-.00412
-6.000	12.00000	4.00000	.01293	-.00057	.00030	-.00419	.00145	.01004	-.03849	-.00441
-4.000	12.00000	4.00000	.01704	.00021	.00055	-.00362	.00123	.00847	-.03988	-.00583
-2.000	12.00000	4.00000	.01675	.00079	-.00027	-.00356	.00100	.00799	-.04473	-.00676
.000	12.00000	4.00000	.02281	.00177	.00052	-.00358	.00095	.00761	-.04762	-.00732
2.000	12.00000	4.00000	.02862	.00292	.00139	-.00378	.00096	.00742	-.04821	-.00893
4.000	12.00000	4.00000	.03374	.00414	.00093	-.00322	.00073	.00702	-.04913	-.01091
GRADIENT	.00000	.00000	.00226	.00050	.00012	.00003	-.00005	-.00017	-.00110	-.00062

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.02381	-.00361	-.01037	.00112	.00040	.00106	-.03090	-.00169
-6.000	12.00000	4.00000	-.02373	-.00332	-.00992	.00107	.00009	.00112	-.02788	-.00152
-4.000	12.00000	4.00000	-.02047	-.00247	-.00936	.00127	-.00017	.00002	-.02663	-.00188
-2.000	12.00000	4.00000	-.01773	-.00180	-.00888	.00114	-.00042	-.00063	-.02950	-.00277
.000	12.00000	4.00000	-.01337	-.00084	-.00830	.00121	-.00045	-.00064	-.03255	-.00370
2.000	12.00000	4.00000	-.00698	.00032	-.00694	.00059	-.00057	.00015	-.03105	-.00442
4.000	12.00000	4.00000	-.00079	.00139	-.00622	.00004	-.00070	.00054	-.02782	-.00553
GRADIENT	.00000	.00000	.00251	.00049	.00041	-.00015	-.00006	.00009	-.00020	-.00045

LARC UPWT 1177(IA94B) OTSAT130 (MJWA70) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.00712	-.00288	-.00662	.06634	-.01574	-.15686	-.02922	-.00557
-6.000	12.00000	4.00000	-.00359	-.00212	-.00608	.06354	-.01480	-.15185	-.02883	-.00537
-4.000	12.00000	4.00000	.00009	-.00101	-.00598	.05995	-.01447	-.14533	-.02837	-.00494
-2.000	12.00000	4.00000	.00204	-.00013	-.00616	.05603	-.01475	-.13839	-.02807	-.00532
.000	12.00000	4.00000	.00805	.00101	-.00555	.05242	-.01553	-.13273	-.03006	-.00640
2.000	12.00000	4.00000	.01338	.00225	-.00502	.04863	-.01602	-.12793	-.03308	-.00920
4.000	12.00000	4.00000	.01905	.00358	-.00551	.04504	-.01633	-.12376	-.03590	-.01192
GRADIENT	.00000	.00000	.00246	.00058	.00010	-.00186	-.00025	.00268	-.00100	-.00089

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.03358	-.00477	-.01461	.06012	-.01366	-.14676	-.02759	-.00144
-6.000	12.00000	4.00000	-.03167	-.00425	-.01384	.05825	-.01316	-.14227	-.02648	-.00141
-4.000	12.00000	4.00000	-.02848	-.00316	-.01342	.05508	-.01296	-.13659	-.02479	-.00131
-2.000	12.00000	4.00000	-.02307	-.00209	-.01258	.05155	-.01307	-.13083	-.02310	-.00181
.000	12.00000	4.00000	-.01783	-.00102	-.01162	.04878	-.01419	-.12577	-.02196	-.00244
2.000	12.00000	4.00000	-.01325	.00010	-.01117	.04378	-.01534	-.11973	-.02251	-.00425
4.000	12.00000	4.00000	-.00723	.00123	-.01088	.03959	-.01578	-.11428	-.02253	-.00495
GRADIENT	.00000	.00000	.00262	.00055	.00033	-.00194	-.00040	.00279	.00025	-.00049

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJWA71) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.00736	-.00295	-.00825	.10209	-.02556	-.24120	-.02314	-.00504
-6.000	12.00000	4.00000	-.00732	-.00235	-.00872	.09739	-.02411	-.23269	-.02211	-.00499
-4.000	12.00000	4.00000	-.00400	-.00119	-.00862	.09208	-.02304	-.22306	-.02120	-.00521
-2.000	12.00000	4.00000	-.00075	-.00029	-.00846	.08670	-.02317	-.21388	-.02108	-.00548
.000	12.00000	4.00000	.00419	.00090	-.00797	.08264	-.02429	-.20664	-.02234	-.00664
2.000	12.00000	4.00000	.01351	.00255	-.00669	.07886	-.02496	-.20049	-.02341	-.01029
4.000	12.00000	4.00000	.02752	.00444	-.00518	.07571	-.02582	-.19595	-.02493	-.01375
GRADIENT	.00000	.00000	.00386	.00071	.00043	-.00203	-.00037	.00338	-.00049	-.00109

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	4.00000	-.03740	-.00527	-.01673	.09303	-.02204	-.22430	-.02367	-.00140
-6.000	12.00000	4.00000	-.03566	-.00455	-.01563	.08737	-.02110	-.21490	-.02310	-.00148
-4.000	12.00000	4.00000	-.02904	-.00307	-.01461	.08236	-.02039	-.20610	-.02154	-.00121
-2.000	12.00000	4.00000	-.02443	-.00194	-.01405	.07858	-.02073	-.19934	-.01893	-.00175
.000	12.00000	4.00000	-.02148	-.00106	-.01395	.07433	-.02233	-.19191	-.01732	-.00221
2.000	12.00000	4.00000	-.01298	.00049	-.01273	.06992	-.02372	-.18510	-.01709	-.00416
4.000	12.00000	4.00000	-.00637	.00171	-.01247	.06387	-.02382	-.17668	-.01673	-.00529
GRADIENT	.00000	.00000	.00284	.00060	.00028	-.00228	-.00049	.00365	.00057	-.00053

LARC UPWT 1177(IA94B) OTSAT130 (MJWA72) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.01262	-.00222	-.00550	-.11653	.03270	.28247	-.07702	-.00688
-6.000	12.00000	2.00000	-.00588	-.00104	-.00474	-.11166	.03182	.27210	-.08348	-.00949
-4.000	12.00000	2.00000	.00228	.00037	-.00394	-.10776	.03167	.26156	-.08978	-.01200
-2.000	12.00000	2.00000	.01275	.00211	-.00321	-.10660	.03207	.25490	-.09782	-.01365
.000	12.00000	2.00000	.02350	.00387	-.00238	-.10718	.03231	.25168	-.10736	-.01433
2.000	12.00000	2.00000	.03188	.00545	-.00194	-.10863	.03269	.25079	-.11084	-.01712
4.000	12.00000	2.00000	.04415	.00761	-.00107	-.10622	.03267	.24482	-.10527	-.02200
GRADIENT	.00000	.00000	.00514	.00089	.00035	.00005	.00013	-.00188	-.00220	-.00117

LARC UPWT 1177(IA94B) OTSAT130 (MJWA73) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.01127	-.00225	-.00619	-.07756	.02077	.18716	-.06845	-.00528
-6.000	12.00000	2.00000	-.00392	-.00087	-.00546	-.07315	.02009	.17829	-.07458	-.00815
-4.000	12.00000	2.00000	.00478	.00065	-.00458	-.06906	.02008	.16821	-.08118	-.01037
-2.000	12.00000	2.00000	.01351	.00220	-.00416	-.06860	.02046	.16423	-.08904	-.01184
.000	12.00000	2.00000	.02117	.00352	-.00398	-.06862	.02066	.16227	-.09723	-.01288
2.000	12.00000	2.00000	.02737	.00474	-.00385	-.06899	.02121	.16089	-.10036	-.01580
4.000	12.00000	2.00000	.03738	.00676	-.00342	-.06820	.02110	.15764	-.09553	-.02040
GRADIENT	.00000	.00000	.00395	.00074	.00013	.00007	.00014	-.00122	-.00200	-.00120

LARC UPWT 1177(IA94B) OTSAT130 (MJWA74) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.00416	-.00164	-.00668	-.00029	.00034	.00223	-.04605	-.00561
-6.000	12.00000	2.00000	.00463	-.00015	-.00592	.00046	.00029	.00008	-.05105	-.00865
-4.000	12.00000	2.00000	.01359	.00134	-.00529	.00157	.00022	-.00180	-.05599	-.01131
-2.000	12.00000	2.00000	.01934	.00249	-.00541	.00258	-.00011	-.00392	-.05947	-.01339
.000	12.00000	2.00000	.02429	.00351	-.00589	.00262	-.00049	-.00453	-.06314	-.01481
2.000	12.00000	2.00000	.03412	.00507	-.00531	.00205	-.00062	-.00398	-.06819	-.01728
4.000	12.00000	2.00000	.04108	.00662	-.00591	.00126	-.00076	-.00299	-.07091	-.02257
GRADIENT	.00000	.00000	.00349	.00066	-.00006	-.00006	-.00012	-.00012	-.00193	-.00132

LARC UPWT 1177(IA94B) OTSAT130 (MJWA75) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.00279	-.00171	-.00931	.07529	-.01874	-.17859	-.02390	-.00167
-6.000	12.00000	2.00000	.00482	-.00033	-.00906	.07313	-.01826	-.17427	-.02743	-.00420
-4.000	12.00000	2.00000	.01155	.00102	-.00917	.07122	-.01866	-.16894	-.03126	-.00779
-2.000	12.00000	2.00000	.01985	.00245	-.00883	.07123	-.01964	-.16746	-.03485	-.01231
.000	12.00000	2.00000	.02677	.00368	-.00867	.07118	-.02017	-.16560	-.04005	-.01678
2.000	12.00000	2.00000	.03484	.00507	-.00847	.07006	-.02079	-.16305	-.04463	-.02062
4.000	12.00000	2.00000	.04540	.00706	-.00781	.06980	-.02133	-.16146	-.04438	-.02471
GRADIENT	.00000	.00000	.00413	.00074	.00015	-.00020	-.00032	.00097	-.00180	-.00211

LARC UPWT 1177(1A94B) OTSAT130 (MJWA76) (10 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.00787	-.00196	-.01154	.11379	-.03008	-.27045	-.01454	-.00053
-6.000	12.00000	2.00000	.00118	-.00042	-.01094	.11065	-.02934	-.26423	-.01641	-.00268
-4.000	12.00000	2.00000	.00999	.00120	-.01070	.10742	-.02963	-.25605	-.02000	-.00573
-2.000	12.00000	2.00000	.01945	.00280	-.01022	.10667	-.03064	-.25141	-.02413	-.00973
.000	12.00000	2.00000	.02692	.00402	-.01004	.10638	-.03112	-.24839	-.02844	-.01436
2.000	12.00000	2.00000	.03418	.00533	-.01005	.10613	-.03172	-.24647	-.03402	-.02055
4.000	12.00000	2.00000	.04500	.00734	-.00936	.10417	-.03218	-.24244	-.03442	-.02366
GRADIENT	.00000	.00000	.00424	.00074	.00014	-.00035	-.00031	.00161	-.00194	-.00233

LARC UPWT 1177(1A94B) OTSAT130 (MJWB01) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.30738	-.50036	.20405	.02363	.01357	.01545	-.05725	.02785
-6.000	8.00000	-10.00000	.30025	-.38142	.16060	.02402	.01387	.01562	-.06432	.02331
-4.000	8.00000	-10.00000	.28994	-.26852	.12031	.02433	.01774	.01573	-.07067	.01943
-2.000	8.00000	-10.00000	.27973	-.16582	.08492	.02482	.02209	.01583	-.07845	.01645
.000	8.00000	-10.00000	.26921	-.07384	.05465	.02543	.02575	.01589	-.08778	.01449
2.000	8.00000	-10.00000	.26228	.02260	.02100	.02570	.02738	.01588	-.09245	.01137
4.000	8.00000	-10.00000	.25890	.11979	-.01747	.02567	.02844	.01576	-.08663	.00712
GRADIENT	.00000	.00000	-.00398	.04825	-.01697	.00018	.00133	.00001	-.00230	-.00149

LARC UPWT 1177(1A94B) OTSAT130 (MJWB02) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.28498	-.50601	.20941	.02332	.03340	.01616	-.04944	.02819
-6.000	8.00000	-10.00000	.27794	-.38718	.16496	.02371	.03395	.01624	-.05639	.02313
-4.000	8.00000	-10.00000	.27164	-.27702	.12522	.02404	.03351	.01636	-.06323	.01919
-2.000	8.00000	-10.00000	.26742	-.16991	.08868	.02452	.03201	.01644	-.07075	.01638
.000	8.00000	-10.00000	.26394	-.07565	.05854	.02516	.02975	.01645	-.07942	.01448
2.000	8.00000	-10.00000	.25849	.01789	.02718	.02532	.02930	.01636	-.08280	.01108
4.000	8.00000	-10.00000	.25649	.11175	-.00908	.02537	.02926	.01614	-.07920	.00689
GRADIENT	.00000	.00000	-.00196	.04827	-.01651	.00017	-.00056	-.00003	-.00220	-.00150

LARC UPWT 1177(1A94B) OTSAT130 (MJWB03) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.30902	-.50191	.20277	.02057	.01718	.01133	-.03004	.02584
-6.000	8.00000	-10.00000	.30089	-.38190	.15804	.02099	.01588	.01176	-.03620	.02033
-4.000	8.00000	-10.00000	.29264	-.27080	.11775	.02171	.01483	.01254	-.04220	.01511
-2.000	8.00000	-10.00000	.28765	-.16507	.08223	.02236	.01401	.01312	-.04632	.01111
.000	8.00000	-10.00000	.28267	-.07262	.05470	.02308	.01417	.01383	-.05047	.00854
2.000	8.00000	-10.00000	.27666	.01591	.02602	.02374	.01482	.01416	-.05619	.00587
4.000	8.00000	-10.00000	.27019	.11306	-.00911	.02410	.01499	.01447	-.05905	.00139
GRADIENT	.00000	.00000	-.00279	.04744	-.01550	.00031	.00006	.00024	-.00218	-.00163

LARC UPWT 1177(IA94B) OTSAT130 (MJWB04) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.28810	-.51594	.21018	.02303	.03281	.01547	-.01094	.02798
-6.000	8.00000	-10.00000	.28111	-.39856	.16685	.02333	.03302	.01548	-.01502	.02270
-4.000	8.00000	-10.00000	.27503	-.28374	.12594	.02359	.03288	.01515	-.01977	.01734
-2.000	8.00000	-10.00000	.27078	-.17668	.08923	.02401	.03237	.01486	-.02438	.01140
.000	8.00000	-10.00000	.26606	-.08312	.05942	.02465	.03136	.01487	-.02995	.00528
2.000	8.00000	-10.00000	.26106	.00994	.02841	.02508	.03010	.01493	-.03485	.00167
4.000	8.00000	-10.00000	.25767	.10718	-.00805	.02539	.02971	.01491	-.03575	-.00151
GRADIENT	.00000	.00000	-.00222	.04842	-.01644	.00023	-.00043	-.00002	-.00212	-.00237

LARC UPWT 1177(IA94B) OTSAT130 (MJWB05) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -10.000 ELV-RI = 8.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.28871	-.52375	.21326	.02316	.03467	.01513	-.00225	.02913
-6.000	8.00000	-10.00000	.28145	-.40794	.17083	.02358	.03481	.01519	-.00525	.02424
-4.000	8.00000	-10.00000	.27559	-.29323	.13000	.02403	.03432	.01487	-.00955	.01894
-2.000	8.00000	-10.00000	.27124	-.18525	.09274	.02436	.03348	.01449	-.01441	.01346
.000	8.00000	-10.00000	.26547	-.08753	.06056	.02486	.03222	.01442	-.01960	.00766
2.000	8.00000	-10.00000	.25977	.00773	.02731	.02525	.03102	.01445	-.02584	.00159
4.000	8.00000	-10.00000	.25711	.10712	-.01088	.02552	.03056	.01432	-.02677	-.00119
GRADIENT	.00000	.00000	-.00242	.04968	-.01736	.00019	-.00050	-.00006	-.00229	-.00261

LARC UPWT 1177(IA94B) OTSAT130 (MJWB06) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.28105	-.50000	.20113	.02557	.03413	.01674	-.05615	.01066
-6.000	8.00000	-5.00000	.27406	-.38124	.15794	.02599	.03425	.01683	-.06315	.00730
-4.000	8.00000	-5.00000	.26759	-.26941	.11886	.02638	.03373	.01700	-.05985	.00408
-2.000	8.00000	-5.00000	.26301	-.16721	.08378	.02687	.03278	.01706	-.07832	.00183
.000	8.00000	-5.00000	.25820	-.07115	.05259	.02750	.03087	.01702	-.08785	.00050
2.000	8.00000	-5.00000	.25497	.01923	.02082	.02759	.03011	.01681	-.09196	-.00214
4.000	8.00000	-5.00000	.25243	.11964	-.01905	.02754	.03003	.01662	-.08686	-.00699
GRADIENT	.00000	.00000	-.00192	.04823	-.01694	.00015	-.00050	-.00005	-.00238	-.00131

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26701	-.43579	.17901	.01444	.01968	.00916	-.04694	.01430
-6.000	8.00000	-5.00000	.25651	-.34800	.14926	.01456	.01969	.00918	-.04712	.01311
-4.000	8.00000	-5.00000	.24669	-.25610	.11657	.01477	.01954	.00920	-.04974	.01177
-2.000	8.00000	-5.00000	.23815	-.17227	.08969	.01496	.01927	.00917	-.05286	.00925
.000	8.00000	-5.00000	.23130	-.09116	.06455	.01520	.01895	.00913	-.05479	.00722
2.000	8.00000	-5.00000	.22662	-.00995	.03737	.01545	.01855	.00901	-.06037	.00517
4.000	8.00000	-5.00000	.22162	.07602	.00385	.01549	.01847	.00885	-.06076	.00242
GRADIENT	.00000	.00000	-.00308	.04133	-.01389	.00010	-.00014	-.00004	-.00148	-.00114

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.27138	-.42561	.17805	.00868	.01149	.00551	-.03270	.01448
-6.000	8.00000	-5.00000	.25913	-.34719	.15368	.00860	.01150	.00551	-.03068	.01315
-4.000	8.00000	-5.00000	.24755	-.26612	.12688	.00872	.01150	.00551	-.02870	.01074
-2.000	8.00000	-5.00000	.23667	-.18662	.10021	.00882	.01149	.00556	-.02856	.00803
.000	8.00000	-5.00000	.22585	-.10895	.07550	.00890	.01160	.00556	-.03105	.00783
2.000	8.00000	-5.00000	.21635	-.03822	.05416	.00908	.01154	.00549	-.03178	.00689
4.000	8.00000	-5.00000	.21041	.03739	.02683	.00937	.01119	.00531	-.03341	.00505
GRADIENT	.00000	.00000	-.00473	.03777	-.01231	.00008	-.00003	-.00002	-.00063	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJWB07) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.27883	-.50347	.20521	.02528	.03409	.01686	-.04908	.01164
-6.000	8.00000	-5.00000	.27194	-.38092	.16021	.02564	.03457	.01692	-.05613	.00780
-4.000	8.00000	-5.00000	.26538	-.26874	.12025	.02596	.03414	.01708	-.06278	.00469
-2.000	8.00000	-5.00000	.26129	-.16854	.08526	.02628	.03331	.01707	-.07061	.00245
.000	8.00000	-5.00000	.25817	-.07567	.05616	.02692	.03126	.01699	-.07916	.00123
2.000	8.00000	-5.00000	.25339	.01662	.02541	.02719	.03011	.01687	-.08252	-.00187
4.000	8.00000	-5.00000	.25135	.11155	-.01124	.02709	.03003	.01672	-.07873	-.00646
GRADIENT	.00000	.00000	-.00180	.04729	-.01614	.00016	-.00057	-.00005	-.00219	-.00133

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26280	-.43390	.18021	.01474	.01853	.00897	-.03127	.01422
-6.000	8.00000	-5.00000	.25161	-.34588	.15039	.01456	.01887	.00908	-.03237	.01272
-4.000	8.00000	-5.00000	.24219	-.25653	.11919	.01476	.01883	.00916	-.03560	.01115
-2.000	8.00000	-5.00000	.23494	-.17386	.09289	.01491	.01883	.00917	-.04012	.00901
.000	8.00000	-5.00000	.22927	-.09488	.06870	.01515	.01886	.00914	-.04354	.00719
2.000	8.00000	-5.00000	.22442	-.01569	.04291	.01540	.01822	.00899	-.05103	.00532
4.000	8.00000	-5.00000	.21988	.07166	.00794	.01547	.01794	.00891	-.05039	.00276
GRADIENT	.00000	.00000	-.00276	.04073	-.01362	.00010	-.00012	-.00003	-.00202	-.00102

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26744	-.41983	.17570	.00884	.01120	.00527	-.02848	.01337
-6.000	8.00000	-5.00000	.25383	-.34624	.15489	.00879	.01136	.00533	-.02684	.01238
-4.000	8.00000	-5.00000	.24034	-.26640	.12856	.00879	.01136	.00538	-.02532	.01084
-2.000	8.00000	-5.00000	.22938	-.18731	.10224	.00896	.01136	.00544	-.02545	.00951
.000	8.00000	-5.00000	.22165	-.11302	.07990	.00903	.01138	.00544	-.02449	.00820
2.000	8.00000	-5.00000	.21393	-.04226	.05774	.00917	.01136	.00544	-.02620	.00678
4.000	8.00000	-5.00000	.20728	.03178	.03136	.00924	.01138	.00540	-.02763	.00532
GRADIENT	.00000	.00000	-.00408	.03707	-.01195	.00006	.00000	.00000	-.00027	-.00069

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LARC UPWT 1177(IA94B) OTSAT130 (MJWB08) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.27734	-.49874	.20010	.02392	.03378	.01613	-.02943	.01032
-6.000	8.00000	-5.00000	.26905	-.38274	.15765	.02423	.03412	.01617	-.03551	.00599
-4.000	8.00000	-5.00000	.26162	-.26832	.11594	.02481	.03383	.01615	-.04164	.00197
-2.000	8.00000	-5.00000	.25813	-.16462	.08157	.02530	.03310	.01614	-.04598	-.00088
.000	8.00000	-5.00000	.25667	-.07567	.05478	.02575	.03189	.01616	-.05033	-.00258
2.000	8.00000	-5.00000	.25365	.01439	.02659	.02624	.03040	.01610	-.05655	-.00518
4.000	8.00000	-5.00000	.24909	.10606	-.00748	.02603	.03035	.01603	-.05854	-.00969
GRADIENT	.00000	.00000	-.00148	.04639	-.01509	.00017	-.00048	-.00001	-.00222	-.00138

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.25688	-.42973	.17550	.01428	.01954	.00911	-.02600	.00908
-6.000	8.00000	-5.00000	.24531	-.34420	.14793	.01437	.01944	.00915	-.02543	.00811
-4.000	8.00000	-5.00000	.23678	-.25793	.11828	.01446	.01927	.00916	-.02704	.00614
-2.000	8.00000	-5.00000	.23085	-.17501	.09204	.01467	.01879	.00915	-.03148	.00512
.000	8.00000	-5.00000	.22667	-.09672	.06880	.01495	.01825	.00911	-.03463	.00455
2.000	8.00000	-5.00000	.22178	-.02086	.04505	.01508	.01805	.00908	-.03586	.00316
4.000	8.00000	-5.00000	.21709	.06560	.01286	.01511	.01760	.00897	-.03709	.00125
GRADIENT	.00000	.00000	-.00242	.04006	-.01289	.00009	-.00020	-.00002	-.00122	-.00059

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26119	-.41417	.17205	.00859	.01142	.00548	-.02240	.00997
-6.000	8.00000	-5.00000	.24808	-.34107	.15071	.00866	.01139	.00560	-.02052	.00980
-4.000	8.00000	-5.00000	.23566	-.26451	.12727	.00874	.01153	.00561	-.01982	.00833
-2.000	8.00000	-5.00000	.22607	-.19078	.10464	.00882	.01140	.00560	-.02333	.00672
.000	8.00000	-5.00000	.21760	-.11722	.08135	.00893	.01137	.00561	-.02652	.00605
2.000	8.00000	-5.00000	.21093	-.04476	.05899	.00910	.01140	.00556	-.02561	.00552
4.000	8.00000	-5.00000	.20558	.02837	.03415	.00911	.01128	.00555	-.02283	.00485
GRADIENT	.00000	.00000	-.00377	.03659	-.01159	.00005	-.00003	-.00001	-.00041	-.00041

LARC UPWT 1177(IA94B) OTSAT130 (MJWB09) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.28218	-.51061	.20427	.02490	.03379	.01578	-.01007	.01271
-6.000	8.00000	-5.00000	.27524	-.39221	.16090	.02521	.03409	.01567	-.01437	.00903
-4.000	8.00000	-5.00000	.26963	-.28348	.12293	.02554	.03370	.01521	-.01904	.00481
-2.000	8.00000	-5.00000	.26562	-.17705	.08585	.02593	.03297	.01504	-.02358	-.00058
.000	8.00000	-5.00000	.26141	-.08054	.05549	.02659	.03186	.01505	-.02935	-.00571
2.000	8.00000	-5.00000	.25571	.01357	.02438	.02703	.03067	.01506	-.03459	-.00918
4.000	8.00000	-5.00000	.25359	.11098	-.01242	.02715	.03044	.01503	-.03521	-.01288
GRADIENT	.00000	.00000	-.00210	.04898	-.01661	.00022	-.00044	-.00002	-.00217	-.00220

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26266	-.43276	.17903	.01415	.01917	.00906	-.01995	.00648
-6.000	8.00000	-5.00000	.25132	-.34608	.15018	.01427	.01919	.00906	-.02057	.00573
-4.000	8.00000	-5.00000	.24182	-.25814	.11970	.01442	.01911	.00906	-.02080	.00527
-2.000	8.00000	-5.00000	.23482	-.17610	.09360	.01460	.01878	.00900	-.02120	.00438
.000	8.00000	-5.00000	.22838	-.09735	.07033	.01480	.01860	.00898	-.02341	.00356
2.000	8.00000	-5.00000	.22268	-.01972	.04558	.01506	.01849	.00892	-.02664	.00185
4.000	8.00000	-5.00000	.21810	.06541	.01195	.01525	.01838	.00888	-.03008	.00018
GRADIENT	.00000	.00000	-.00298	.04017	-.01318	.00011	-.00009	-.00002	-.00120	-.00064

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26260	-.41675	.17398	.00863	.01149	.00549	-.02229	.00819
-6.000	8.00000	-5.00000	.25052	-.34104	.15120	.00859	.01163	.00552	-.02204	.00810
-4.000	8.00000	-5.00000	.23896	-.26104	.12446	.00857	.01151	.00554	-.02114	.00713
-2.000	8.00000	-5.00000	.22880	-.18516	.10083	.00854	.01151	.00557	-.02007	.00620
.000	8.00000	-5.00000	.21996	-.11411	.08026	.00882	.01140	.00555	-.01911	.00546
2.000	8.00000	-5.00000	.21205	-.04553	.05950	.00903	.01137	.00555	-.02028	.00458
4.000	8.00000	-5.00000	.20519	.02988	.03278	.00914	.01138	.00555	-.02024	.00430
GRADIENT	.00000	.00000	-.00417	.03607	-.01123	.00008	-.00002	-.00000	.00008	-.00036

LARC UPWT 1177(IA94B) OTSAT130 (MJWB10) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = -5.000 ELV-RI = 8.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.28407	-.51915	.20775	.02512	.03447	.01517	-.00211	.01387
-6.000	8.00000	-5.00000	.27639	-.40071	.16450	.02552	.03482	.01519	-.00520	.01047
-4.000	8.00000	-5.00000	.27091	-.28780	.12495	.02589	.03418	.01482	-.00938	.00673
-2.000	8.00000	-5.00000	.26644	-.18102	.08748	.02614	.03354	.01460	-.01407	.00221
.000	8.00000	-5.00000	.26086	-.08436	.05608	.02670	.03260	.01448	-.01932	-.00322
2.000	8.00000	-5.00000	.25521	.01129	.02327	.02707	.03141	.01448	-.02564	-.00920
4.000	8.00000	-5.00000	.25232	.11326	-.01657	.02728	.03075	.01440	-.02681	-.01191
GRADIENT	.00000	.00000	-.00242	.04972	-.01736	.00019	-.00045	-.00005	-.00232	-.00243

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26603	-.43702	.18100	.01416	.01896	.00889	-.01481	.00527
-6.000	8.00000	-5.00000	.25503	-.34946	.15170	.01422	.01908	.00890	-.01482	.00481
-4.000	8.00000	-5.00000	.24545	-.26087	.12039	.01438	.01908	.00886	-.01490	.00410
-2.000	8.00000	-5.00000	.23705	-.17690	.09342	.01452	.01901	.00884	-.01553	.00321
.000	8.00000	-5.00000	.22999	-.09730	.06975	.01481	.01868	.00879	-.01732	.00251
2.000	8.00000	-5.00000	.22487	-.01742	.04299	.01507	.01852	.00869	-.01939	.00058
4.000	8.00000	-5.00000	.21993	.06984	.00801	.01516	.01850	.00864	-.02143	-.00191
GRADIENT	.00000	.00000	-.00316	.04104	-.01376	.00011	-.00008	-.00003	-.00085	-.00073

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.26444	-.42104	.17699	.00896	.01151	.00555	-.01908	.00752
-6.000	8.00000	-5.00000	.25259	-.34535	.15411	.00877	.01152	.00552	-.01907	.00754
-4.000	8.00000	-5.00000	.24121	-.26696	.12818	.00869	.01151	.00554	-.01826	.00689
-2.000	8.00000	-5.00000	.22963	-.18716	.10155	.00873	.01153	.00556	-.01661	.00586
.000	8.00000	-5.00000	.22093	-.11339	.07966	.00890	.01149	.00551	-.01565	.00525
2.000	8.00000	-5.00000	.21257	-.04040	.05605	.00910	.01151	.00548	-.01565	.00429
4.000	8.00000	-5.00000	.20644	.03389	.02946	.00919	.01140	.00547	-.01569	.00379
GRADIENT	.00000	.00000	-.00433	.03742	-.01215	.00007	-.00001	-.00001	.00030	-.00039

LARC UPWT 1177(IA94B) OTSAT130 (MJWB11) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.27035	-.42692	.17499	.01408	.01816	.00882	-.04728	-.00225
-6.000	8.00000	4.00000	.26001	-.33983	.14569	.01411	.01845	.00886	-.04704	-.00290
-4.000	8.00000	4.00000	.25063	-.25001	.11388	.01428	.01841	.00891	-.04938	-.00370
-2.000	8.00000	4.00000	.24240	-.16691	.08808	.01446	.01814	.00890	-.05297	-.00498
.000	8.00000	4.00000	.23570	-.08537	.06308	.01476	.01786	.00884	-.05476	-.00634
2.000	8.00000	4.00000	.23075	-.00389	.03535	.01496	.01769	.00873	-.06104	-.00815
4.000	8.00000	4.00000	.22583	.08147	.00269	.01500	.01768	.00857	-.06162	-.01076
GRADIENT	.00000	.00000	-.00306	.04130	-.01376	.00010	-.00010	-.00004	-.00163	-.00086

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.27632	-.41807	.17300	.00814	.01061	.00521	-.03060	.00011
-6.000	8.00000	4.00000	.26419	-.34092	.14995	.00810	.01064	.00524	-.02838	-.00079
-4.000	8.00000	4.00000	.25240	-.25813	.12200	.00815	.01065	.00529	-.02623	-.00240
-2.000	8.00000	4.00000	.24199	-.17795	.09554	.00825	.01065	.00526	-.02585	-.00366
.000	8.00000	4.00000	.23150	-.10415	.07315	.00834	.01065	.00522	-.02853	-.00271
2.000	8.00000	4.00000	.22223	-.03038	.04999	.00853	.01064	.00519	-.02964	-.00391
4.000	8.00000	4.00000	.21611	.04587	.02241	.00862	.01058	.00513	-.03091	-.00617
GRADIENT	.00000	.00000	-.00462	.03778	-.01224	.00006	-.00001	-.00002	-.00066	-.00039

LARC UPWT 1177(1A94B) OTSAT130 (MJWB12) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.26560	-.42865	.17814	.01397	.01834	.00880	-.03142	-.00061
-6.000	8.00000	4.00000	.25468	-.34071	.14832	.01404	.01838	.00887	-.03263	-.00148
-4.000	8.00000	4.00000	.24582	-.25161	.11718	.01420	.01826	.00895	-.03610	-.00255
-2.000	8.00000	4.00000	.23894	-.16935	.09154	.01442	.01819	.00897	-.04042	-.00395
.000	8.00000	4.00000	.23361	-.08993	.06739	.01472	.01799	.00889	-.04384	-.00543
2.000	8.00000	4.00000	.22853	-.01065	.04118	.01496	.01756	.00873	-.05124	-.00691
4.000	8.00000	4.00000	.22409	.07270	.00917	.01504	.01719	.00862	-.05082	-.00939
GRADIENT	.00000	.00000	-.00269	.04037	-.01332	.00011	-.00014	-.00004	-.00201	-.00083

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.27213	-.41375	.17221	.00821	.01052	.00510	-.02605	.00033
-6.000	8.00000	4.00000	.25902	-.33915	.15038	.00814	.01052	.00513	-.02447	.00033
-4.000	8.00000	4.00000	.24593	-.25920	.12429	.00815	.01056	.00519	-.02265	-.00039
-2.000	8.00000	4.00000	.23537	-.17984	.09777	.00823	.01052	.00521	-.02334	-.00131
.000	8.00000	4.00000	.22723	-.10657	.07638	.00833	.01056	.00520	-.02245	-.00189
2.000	8.00000	4.00000	.21994	-.03476	.05374	.00851	.01054	.00518	-.02413	-.00312
4.000	8.00000	4.00000	.21299	.04040	.02710	.00862	.01049	.00515	-.02574	-.00478
GRADIENT	.00000	.00000	-.00407	.03721	-.01192	.00006	-.00001	-.00001	-.00035	-.00053

LARC UPWT 1177(IA94B) OTSAT130 (MJWB13) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.25889	-.42036	.17034	.01381	.01875	.00892	-.02664	-.00248
-6.000	8.00000	4.00000	.24782	-.33436	.14267	.01387	.01869	.00895	-.02558	-.00294
-4.000	8.00000	4.00000	.23981	-.24761	.11306	.01394	.01855	.00898	-.02724	-.00413
-2.000	8.00000	4.00000	.23447	-.16683	.08865	.01420	.01791	.00894	-.03181	-.00472
.000	8.00000	4.00000	.23065	-.08965	.06619	.01456	.01723	.00888	-.03535	-.00524
2.000	8.00000	4.00000	.22579	-.01187	.04131	.01467	.01710	.00882	-.03636	-.00659
4.000	8.00000	4.00000	.22121	.07165	.01126	.01465	.01687	.00872	-.03716	-.00827
GRADIENT	.00000	.00000	-.00229	.03967	-.01255	.00009	-.00021	-.00003	-.00122	-.00051

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.26648	-.40602	.16671	.00767	.01063	.00528	-.02035	-.00021
-6.000	8.00000	4.00000	.25333	-.33303	.14633	.00778	.01067	.00530	-.01835	-.00023
-4.000	8.00000	4.00000	.24184	-.25797	.12337	.00790	.01066	.00531	-.01752	-.00040
-2.000	8.00000	4.00000	.23174	-.18169	.09948	.00808	.01071	.00536	-.02099	-.00116
.000	8.00000	4.00000	.22356	-.10642	.07535	.00825	.01059	.00530	-.02441	-.00189
2.000	8.00000	4.00000	.21687	-.03633	.05420	.00839	.01057	.00528	-.02323	-.00246
4.000	8.00000	4.00000	.21088	.03673	.02961	.00854	.01051	.00525	-.02040	-.00350
GRADIENT	.00000	.00000	-.00384	03674	-.01164	.00008	-.00002	-.00001	-.00040	-.00037

LARC UPWT 1177(IA94B) OTSAT130 (MJWB14) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMPP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.26698	-.42929	.17812	.01382	.01796	.00869	-.01992	-.00372
-6.000	8.00000	4.00000	.25578	-.34183	.14869	.01383	.01817	.00873	-.02051	-.00357
-4.000	8.00000	4.00000	.24603	-.25481	.11856	.01396	.01816	.00875	-.02079	-.00327
-2.000	8.00000	4.00000	.23916	-.17353	.09366	.01412	.01799	.00869	-.02108	-.00379
.000	8.00000	4.00000	.23309	-.09492	.07021	.01436	.01774	.00865	-.02342	-.00465
2.000	8.00000	4.00000	.22770	-.01631	.04482	.01465	.01760	.00859	-.02660	-.00678
4.000	8.00000	4.00000	.22308	.06710	.01255	.01482	.01738	.00853	-.03024	-.00896
GRADIENT	.00000	.00000	-.00287	.04005	-.01304	.00011	-.00010	-.00003	-.00122	-.00072

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.26854	-.41109	.16950	.00812	.01066	.00527	-.02052	.00029
-6.000	8.00000	4.00000	.25615	-.33541	.14770	.00800	.01068	.00526	-.02004	.00032
-4.000	8.00000	4.00000	.24456	-.25663	.12193	.00802	.01068	.00531	-.01896	.00020
-2.000	8.00000	4.00000	.23394	-.18026	.09743	.00815	.01067	.00532	-.01784	-.00047
.000	8.00000	4.00000	.22518	-.10825	.07741	.00826	.01067	.00531	-.01698	-.00083
2.000	8.00000	4.00000	.21759	-.03736	.05498	.00838	.01056	.00529	-.01802	-.00228
4.000	8.00000	4.00000	.21097	.03799	.02874	.00853	.01051	.00529	-.01818	-.00288
GRADIENT	.00000	.00000	-.00418	.03661	-.01144	.00006	-.00002	-.00000	.00007	-.00040

LARC UPWT 1177(1A94B) OTSAT130 (MJWB15) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 4.000 ELV-RI = 8.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.26991	-.43497	.18104	.01371	.01829	.00855	-.01460	-.00339
-6.000	8.00000	4.00000	.25895	-.34742	.15169	.01377	.01853	.00858	-.01457	-.00336
-4.000	8.00000	4.00000	.24974	-.25780	.11931	.01389	.01848	.00858	-.01455	-.00351
-2.000	8.00000	4.00000	.24171	-.17377	.09264	.01410	.01820	.00854	-.01507	-.00378
.000	8.00000	4.00000	.23470	-.09445	.06922	.01440	.01790	.00845	-.01692	-.00464
2.000	8.00000	4.00000	.22977	-.01347	.04172	.01462	.01778	.00838	-.01870	-.00767
4.000	8.00000	4.00000	.22525	.07221	.00817	.01465	.01773	.00834	-.02053	-.01072
GRADIENT	.00000	.00000	-.00305	.04102	-.01366	.00010	-.00010	-.00003	-.00078	-.00092

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	4.00000	.27150	-.41896	.17468	.00820	.01052	.00525	-.01696	.00044
-6.000	8.00000	4.00000	.25952	-.33901	.14990	.00788	.01065	.00527	-.01695	.00020
-4.000	8.00000	4.00000	.24685	-.25934	.12402	.00790	.01067	.00528	-.01607	.00039
-2.000	8.00000	4.00000	.23643	-.18067	.09833	.00807	.01073	.00527	-.01461	-.00007
.000	8.00000	4.00000	.22711	-.10710	.07598	.00824	.01080	.00526	-.01359	-.00041
2.000	8.00000	4.00000	.21881	-.03340	.05202	.00846	.01068	.00523	-.01375	-.00201
4.000	8.00000	4.00000	.21268	.03985	.02665	.00855	.01057	.00521	-.01371	-.00306
GRADIENT	.00000	.00000	-.00430	.03728	-.01205	.00008	-.00001	-.0003	.00028	-.00044

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1177(IA94B) OTSAT130 (MJWB16) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	2.00000	.27720	-.49690	.19707	.02564	.03807	.01678	-.05624	-.00646
-6.000	8.00000	2.00000	.27097	-.37808	.15403	.02603	.03762	.01685	-.06346	-.00906
-4.000	8.00000	2.00000	.26553	-.26639	.11464	.02650	.03598	.01703	-.07031	-.01170
-2.000	8.00000	2.00000	.26173	-.16484	.07970	.02700	.03424	.01711	-.07872	-.01344
.000	8.00000	2.00000	.25704	-.06842	.04848	.02756	.03188	.01710	-.08811	-.01407
2.000	8.00000	2.00000	.25430	.02227	.01635	.02768	.03066	.01693	-.09263	-.01660
4.000	8.00000	2.00000	.25241	.12515	-.02359	.02753	.03008	.01663	-.08720	-.02220
GRADIENT	.00000	.00000	-.00168	.04851	-.01699	.00014	-.00077	-.00005	-.00239	-.00121

LARC UPWT 1177(IA94B) OTSAT130 (MJWB17) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	2.00000	.27850	-.50171	.20155	.02540	.03429	.01688	-.04881	-.00473
-6.000	8.00000	2.00000	.27135	-.37973	.15673	.02572	.03504	.01689	-.05580	-.00761
-4.000	8.00000	2.00000	.26504	-.26450	.11571	.02603	.03438	.01698	-.06292	-.00988
-2.000	8.00000	2.00000	.26136	-.16604	.08181	.02642	.03329	.01700	-.07087	-.01153
.000	8.00000	2.00000	.25779	-.07251	.05230	.02700	.03125	.01693	-.07921	-.01235
2.000	8.00000	2.00000	.25358	.01851	.02173	.02726	.03005	.01682	-.08293	-.01532
4.000	8.00000	2.00000	.25191	.11579	-.01547	.02713	.02989	.01664	-.07925	-.02051
GRADIENT	.00000	.00090	-.00170	.04726	-.01612	.00015	-.00061	-.00004	-.00224	-.00125

LARC UPWT 1177(IA94B) OTSAT130 (MJWB18) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	2.00000	.27271	-.49584	.19582	.02421	.03648	.01682	-.02893	-.00519
-6.000	8.00000	2.00000	.26475	-.37696	.15288	.02459	.03651	.01672	-.03527	-.00837
-4.000	8.00000	2.00000	.25804	-.26311	.11132	.02518	.03614	.01653	-.04142	-.01099
-2.000	8.00000	2.00000	.25527	-.16293	.07789	.02564	.03518	.01644	-.04570	-.01300
.000	8.00000	2.00000	.25382	-.07061	.05073	.02604	.03384	.01636	-.05018	-.01445
2.000	8.00000	2.00000	.25073	.02001	.02170	.02637	.03258	.01626	-.05621	-.01702
4.000	8.00000	2.00000	.24779	.11155	-.01222	.02603	.03192	.01604	-.05807	-.02254
GRADIENT	.00000	.00000	-.00125	.04661	-.01516	.00012	-.00056	-.00006	-.00219	-.00136

LARC UPWT 1177(IA94B) OTSAT130 (MJWB19) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	2.00000	.28166	-.50788	.19999	.02502	.03394	.01569	-.00911	-.00117
-6.000	8.00000	2.00000	.27502	-.38999	.15733	.02536	.03411	.01558	-.01373	-.00370
-4.000	8.00000	2.00000	.26970	-.27839	.11822	.02568	.03358	.01503	-.01849	-.00729
-2.000	8.00000	2.00000	.26580	-.17167	.08073	.02607	.03273	.01484	-.02322	-.01234
.000	8.00000	2.00000	.26138	-.07502	.05080	.02669	.03169	.01491	-.02908	-.01692
2.000	8.00000	2.00000	.25577	.01655	.02051	.02713	.03046	.01495	-.03409	-.02064
4.000	8.00000	2.00000	.25368	.11397	-.01607	.02723	.03030	.01493	-.03485	-.02530
GRADIENT	.00000	.00000	-.00210	.04865	-.01644	.00021	-.00044	-.00000	-.00218	-.00222

LARC UPWT 1177(IA94B) OTSAT130 (MJWB20) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = 2.000 ELV-RI = 8.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	2.00000	.28247	-.51359	.20213	.02520	.03505	.01528	-.00155	-.00025
-6.000	8.00000	2.00000	.27569	-.39475	.15893	.02561	.03492	.01524	-.00475	-.00231
-4.000	8.00000	2.00000	.27052	-.28159	.11947	.02594	.03425	.01488	-.00905	-.00531
-2.000	8.00000	2.00000	.26623	-.17521	.08240	.02631	.03344	.01453	-.01376	-.00937
.000	8.00000	2.00000	.26086	-.07958	.05144	.02682	.03225	.01437	-.01889	-.01419
2.000	8.00000	2.00000	.25533	.01574	.01854	.02722	.03095	.01435	-.02528	-.02079
4.000	8.00000	2.00000	.25289	.11739	-.02089	.02741	.03050	.01421	-.02665	-.02420
GRADIENT	.00000	.00000	-.00231	.04945	-.01723	.00019	-.00050	-.00008	-.00234	-.00246

LARC UPWT 1177(IA94B) OTSAT130 (MJWB21) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.26926	-.42867	.17532	.01398	.01855	.00887	-.04697	.00317
-6.000	8.00000	.00000	.25874	-.33983	.14520	.01405	.01875	.00890	-.04652	.00218
-4.000	8.00000	.00000	.24935	-.24940	.11336	.01423	.01867	.00891	-.04886	.00117
-2.000	8.00000	.00000	.24104	-.16699	.08801	.01444	.01844	.00891	-.05247	-.00058
.000	8.00000	.00000	.23430	-.08551	.05267	.01468	.01816	.00887	-.05405	-.00216
2.000	8.00000	.00000	.22922	-.00403	.03491	.01487	.01797	.00879	-.06008	-.00414
4.000	8.00000	.00000	.22444	.08326	.00156	.01497	.01785	.00861	-.06091	-.00646
GRADIENT	.00000	.00000	-.00308	.04141	-.01384	.00010	-.00011	-.00004	-.00159	-.00094

LARC UPWT 1177(IA94B) OTSAT130 (MJWB21) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.27470	-.41656	.17221	.00844	.01065	.00516	-.03090	.00453
-6.000	8.00000	.00000	.26266	-.34067	.14954	.00831	.01076	.00518	-.02877	.00355
-4.000	8.00000	.00000	.25144	-.25684	.12103	.00831	.01079	.00521	-.02669	.00111
-2.000	8.00000	.00000	.24083	-.17715	.09475	.00831	.01079	.00522	-.02632	-.00068
.000	8.00000	.00000	.22989	-.10168	.07171	.00839	.01078	.00515	-.02899	-.00008
2.000	8.00000	.00000	.22046	-.02876	.04904	.00855	.01077	.00514	-.02986	-.00141
4.000	8.00000	.00000	.21465	.04703	.02158	.00866	.01077	.00510	-.03098	-.00348
GRADIENT	.00000	.00000	-.00470	.03781	-.01223	.00005	-.00000	-.00001	-.00061	-.00050

LARC UPWT 1177(IA94B) OTSAT130 (MJWB22) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.26493	-.43008	.17959	.01411	.01831	.00874	-.03090	.00425
-6.000	8.00000	.00000	.25396	-.34155	.14869	.01409	.01841	.00880	-.03183	.00301
-4.000	8.00000	.00000	.24491	-.25314	.11776	.01422	.01831	.00888	-.03517	.00157
-2.000	8.00000	.00000	.23794	-.17017	.09172	.01442	.01828	.00891	-.03979	.00002
.000	8.00000	.00000	.23246	-.08971	.06688	.01469	.01805	.00886	-.04316	-.00153
2.000	8.00000	.00000	.22700	-.00926	.04001	.01490	.01783	.00880	-.05031	-.00317
4.000	8.00000	.00000	.22243	.07378	.00851	.01500	.01750	.00872	-.05006	-.00544
GRADIENT	.00000	.00000	-.00279	.04074	-.01351	.00010	-.00010	-.00002	-.00202	-.00086

LARC UPWT 1177(IA94B) OTSAT130 (MJWB22) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.27019	-.41438	.17281	.00842	.01065	.00510	-.02624	.00402
-6.000	8.00000	.00000	.25735	-.33739	.14986	.00829	.01065	.00511	-.02463	.00367
-4.000	8.00000	.00000	.24490	-.25947	.12442	.00823	.01077	.00513	-.02285	.00250
-2.000	8.00000	.00000	.23378	-.18074	.09842	.00831	.01070	.00516	-.02336	.00139
.000	8.00000	.00000	.22609	-.10762	.07672	.00835	.01054	.00521	-.02231	.00067
2.000	8.00000	.00000	.21876	-.03543	.05427	.00849	.01065	.00520	-.02411	-.00061
4.000	8.00000	.00000	.21175	.04040	.02744	.00866	.01058	.00515	-.02562	-.00216
GRADIENT	.00000	.00000	-.00407	.03725	-.01191	.00005	-.00002	.00000	-.00031	-.00057

LARC UPWT 1177(IA94B) OTSAT130 (MJWB23) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.25841	-.42248	.17145	.01385	.01890	.00891	-.02615	.00103
-6.000	8.00000	.00000	.24712	-.33663	.14379	.01390	.01890	.00892	-.02505	.00049
-4.000	8.00000	.00000	.23862	-.24911	.11359	.01396	.01884	.00893	-.02680	-.00101
-2.000	8.00000	.00000	.23303	-.16859	.08907	.01422	.01829	.00894	-.03176	-.00178
.000	8.00000	.00000	.22875	-.08925	.06554	.01453	.01788	.00891	-.03522	-.00245
2.000	8.00000	.00000	.22449	-.01146	.04061	.01468	.01752	.00887	-.03581	-.00362
4.000	8.00000	.00000	.21915	.07144	.01081	.01469	.01734	.00881	-.03665	-.00524
GRADIENT	.00000	.00000	-.00237	.03991	-.01270	.00010	-.00019	-.00002	-.00119	-.00052

LARC UPWT 1177(IA94B) OTSAT130 (MJWB23) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.26552	-.40570	.16496	.00776	.01038	.00521	-.02037	.00166
-6.000	8.00000	.00000	.25175	-.33015	.14348	.00785	.01053	.00524	-.01851	.00159
-4.000	8.00000	.00000	.24040	-.25490	.12047	.00794	.01052	.00524	-.01755	.00066
-2.000	8.00000	.00000	.23037	-.18031	.09710	.00811	.01065	.00529	-.02094	-.00026
.000	8.00000	.00000	.22171	-.10257	.07234	.00828	.01054	.00528	-.02470	-.00088
2.000	8.00000	.00000	.21490	-.03302	.05156	.00843	.01052	.00522	-.02344	-.00125
4.000	8.00000	.00000	.20917	.03967	.02735	.00854	.01052	.00521	-.02033	-.00222
GRADIENT	.00000	.00000	-.00390	.03682	-.01159	.00008	-.00001	-.00001	-.00040	-.00034

LARC UPWT 1177(IA94B) OTSAT130 (MJWB24) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.26538	-.42927	.17707	.01370	.01871	.00885	-.01990	-.00113
-6.000	8.00000	.00000	.25414	-.34226	.14840	.01382	.01871	.00884	-.02046	-.00129
-4.000	8.00000	.00000	.24488	-.25464	.11840	.01395	.01848	.00882	-.02054	-.00119
-2.000	8.00000	.00000	.23776	-.17255	.09260	.01413	.01829	.00878	-.02096	-.00135
.000	8.00000	.00000	.23122	-.09350	.06912	.01433	.01816	.00875	-.02312	-.00214
2.000	8.00000	.00000	.22605	-.01607	.04437	.01462	.01794	.00867	-.02620	-.00407
4.000	8.00000	.00000	.22146	.06931	.01133	.01479	.01774	.00862	-.02965	-.00614
GRADIENT	.00000	.00000	-.00293	.04022	-.01312	.00011	-.00009	-.00002	-.00117	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJWB24) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.26862	-.41376	.17079	.00782	.01079	.00528	-.02031	.00145
-6.000	8.00000	.00000	.25597	-.33662	.14786	.00782	.01092	.00525	-.01979	.00167
-4.000	8.00000	.00000	.24383	-.25793	.12284	.00798	.01095	.00529	-.01891	.00117
-2.000	8.00000	.00000	.23301	-.18103	.09773	.00811	.01083	.00533	-.01779	.00053
.000	8.00000	.00000	.22457	-.10923	.07771	.00820	.01080	.00528	-.01715	.00018
2.000	8.00000	.00000	.21709	-.03678	.05468	.00833	.01069	.00527	-.01790	-.00115
4.000	8.00000	.00000	.21029	.03684	.02921	.00853	.01057	.00528	-.01807	-.00169
GRADIENT	.00000	.00000	-.00415	.03669	-.01152	.00007	-.00004	-.00000	.00008	-.00037

LARC UPWT 1177(IA94B) OTSAT130 (MJWB25) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.26912	-.43465	.18028	.01378	.01837	.00859	-.01426	-.00112
-6.000	8.00000	.00000	.25834	-.34728	.15115	.01379	.01861	.00862	-.01422	-.00132
-4.000	8.00000	.00000	.24872	-.25689	.11853	.01391	.01857	.00859	-.01438	-.00147
-2.000	8.00000	.00000	.24054	-.17287	.09185	.01409	.01828	.00855	-.01486	-.00167
.000	8.00000	.00000	.23317	-.09328	.06817	.01438	.01808	.00851	-.01658	-.00243
2.000	8.00000	.00000	.22821	-.01238	.04077	.01460	.01789	.00844	-.01830	-.00510
4.000	8.00000	.00000	.22380	.07273	.00770	.01474	.01785	.00837	-.02022	-.00753
GRADIENT	.00000	.00000	-.00311	.04099	-.01364	.00011	-.00009	-.00003	-.00076	-.00078

LARC UPWT 1177(1A94B) OTSAT130 (MJWB25) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
ELV-LO = .000 ELV-RI = 8.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	.00000	.27076	-.41955	.17520	.00834	.01067	.00525	-.01682	.00165
-6.000	8.00000	.00000	.25867	-.34126	.15147	.00792	.01081	.00527	-.01659	.00165
-4.000	8.00000	.00000	.24599	-.25927	.12438	.00790	.01083	.00528	-.01574	.00156
-2.000	8.00000	.00000	.23559	-.18250	.09931	.00810	.01080	.00526	-.01432	.00087
.000	8.00000	.00000	.22624	-.10786	.07651	.00825	.01093	.00525	-.01322	.00047
2.000	8.00000	.00000	.21841	-.03478	.05297	.00841	.01083	.00523	-.01315	-.00083
4.000	8.00000	.00000	.21197	.03935	.02686	.00854	.01077	.00521	-.01303	-.00180
GRADIENT	.00000	.00000	-.00426	.03725	-.01207	.00008	-.00000	-.00001	.00033	-.00042

LARC UPWT 1177(1A94B) OTSAT130 (MJWB26) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26902	-.44294	.18303	.01414	.01804	.00892	.00099	.00638
-6.000	.00000	.00000	.25863	-.35232	.15183	.01399	.01839	.00897	-.00258	.00527
-4.000	.00000	.00000	.24846	-.25953	.11821	.01408	.01850	.00901	-.00562	.00397
-2.000	.00000	.00000	.23998	-.17624	.09169	.01432	.01834	.00902	-.00903	.00196
.000	.00000	.00000	.23301	-.09573	.06707	.01456	.01809	.00896	-.01217	.00018
2.000	.00000	.00000	.22745	-.01470	.03950	.01476	.01801	.00887	-.01824	-.00179
4.000	.00000	.00000	.22263	.07210	.00571	.01479	.01798	.00879	-.02297	-.00424
GRADIENT	.00000	.00000	-.00321	.04124	-.01386	.00009	-.00007	-.00003	-.00219	-.00101

LARC UPWT 1177(IA94B) OTSAT130 (MJWB26) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.27324	-.42370	.17839	.00838	.01086	.00544	-.00345	.00639
-6.000	.00000	.00000	.26124	-.34470	.15423	.00826	.01085	.00544	-.00382	.00567
-4.000	.00000	.00000	.25008	-.26166	.12603	.00820	.01086	.00545	-.00349	.00365
-2.000	.00000	.00000	.23956	-.18104	.09863	.00826	.01086	.00545	-.00541	.00195
.000	.00000	.00000	.22901	-.10658	.07586	.00826	.01085	.00546	-.00707	.00189
2.000	.00000	.00000	.21934	-.03341	.05315	.00855	.01086	.00540	-.00801	.00025
4.000	.00000	.00000	.21315	.04188	.02582	.00875	.01076	.00524	-.00926	-.00171
GRADIENT	.00000	.00000	-.00470	.03774	-.01229	.00007	-.00001	-.00002	-.00071	-.00062

LARC UPWT 1177(IA94B) OTSAT130 (MJWB27) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE. = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26402	-.44065	.18334	.01414	.01811	.00885	.00901	.00697
-6.000	.00000	.00000	.25293	-.34992	.15176	.01397	.01834	.00895	.00454	.00562
-4.000	.00000	.00000	.24332	-.25946	.11971	.01406	.01842	.00903	.00015	.00428
-2.000	.00000	.00000	.23629	-.17666	.09348	.01421	.01848	.00906	-.00473	.00239
.000	.00000	.00000	.23029	-.09730	.06918	.01446	.01835	.00905	-.00922	.00075
2.000	.00000	.00000	.22484	-.01883	.04322	.01466	.01814	.00900	-.01404	-.00094
4.000	.00000	.00000	.22035	.06733	.00987	.01477	.01793	.00890	-.01682	-.00333
GRADIENT	.00000	.00000	-.00287	.04057	-.01350	.00009	-.00007	-.00002	-.00216	-.00093

LARC UPWT 1177(IA94B) OTSAT130 (MJWB27) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26943	-.41625	.17485	.00842	.01073	.00521	-.00227	.00618
-6.000	.00000	.00000	.25639	-.34099	.15310	.00821	.01073	.00526	-.00328	.00585
-4.000	.00000	.00000	.24395	-.26170	.12721	.00820	.01073	.00532	-.00342	.00462
-2.000	.00000	.00000	.23273	-.18087	.09993	.00823	.01073	.00537	-.00512	.00358
.000	.00000	.00000	.22491	-.10884	.07876	.00832	.01074	.00541	-.00547	.00244
2.000	.00000	.00000	.21716	-.03839	.05723	.00859	.01073	.00536	-.00715	.00120
4.000	.00000	.00000	.21043	.03648	.03021	.00868	.01073	.00533	-.00853	-.00052
GRADIENT	.00000	.00000	-.00413	.03694	-.01184	.00007	.00000	.00000	-.00061	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJWB28) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.25866	-.43640	.18034	.01348	.01908	.00905	.00698	.00465
-6.000	.00000	.00000	.24738	-.35031	.15240	.01358	.01898	.00907	.00453	.00364
-4.000	.00000	.00000	.23878	-.26370	.12233	.01373	.01887	.00913	.00149	.00187
-2.000	.00000	.00000	.23308	-.18216	.09693	.01389	.01861	.00913	-.00443	.00094
.000	.00000	.00000	.22872	-.10367	.07341	.01419	.01818	.00908	-.00943	.00016
2.000	.00000	.00000	.22360	-.02426	.04722	.01439	.01783	.00900	-.01234	-.00142
4.000	.00000	.00000	.21872	.05803	.01714	.01447	.01765	.00892	-.01324	-.00297
GRADIENT	.00000	.00000	-.00248	.04007	-.01300	.00010	-.00016	-.00003	-.00187	-.00060

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LARC UPWT 1177(IA94B) OTSAT130 (MJWB28) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26309	-.41153	.17227	.00769	.01098	.00559	-.00153	.00427
-6.000	.00000	.00000	.25047	-.33681	.15109	.00774	.01101	.00559	-.00180	.00404
-4.000	.00000	.00000	.23923	-.25956	.12647	.00790	.01087	.00556	-.00186	.00324
-2.000	.00000	.00000	.22926	-.18375	.10225	.00803	.01086	.00558	-.00427	.00230
.000	.00000	.00000	.22054	-.11394	.08127	.00819	.01086	.00564	-.00824	.00184
2.000	.00000	.00000	.21364	-.04261	.05908	.00840	.01086	.00563	-.00894	.00111
4.000	.00000	.00000	.20775	.02947	.03507	.00853	.01086	.00556	-.00769	-.00023
GRADIENT	.00000	.00000	-.00393	.03596	-.01130	.00008	-.00000	.00000	-.00082	-.00041

LARC UPWT 1177(IA94B) OTSAT130 (MJWB29) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26322	-.43812	.18086	.01339	.01889	.00899	.01025	.00152
-6.000	.00000	.00000	.25218	-.34869	.15063	.01357	.01884	.00894	.00546	.00128
-4.000	.00000	.00000	.24298	-.25903	.11927	.01375	.01857	.00882	.00245	.00128
-2.000	.00000	.00000	.23575	-.17758	09324	.01398	.01843	.00875	-.00091	.00075
.000	.00000	.00000	.22964	-.09907	.07007	.01415	.01817	.00870	-.00436	.00001
2.000	.00000	.00000	.22398	-.02129	.04521	.01442	.01817	.00865	-.00833	-.00152
4.000	.00000	.00000	.21929	.06411	.01233	.01466	.01803	.00855	-.01322	-.00367
GRADIENT	.00000	.00000	-.00296	.04013	-.01309	.00011	-.00007	-.00003	-.00194	-.00061

LARC UPWT 1177(IA94B) OTSAT130 (MJWB29) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26617	-.41417	.17314	.00788	.01088	.00540	-.00250	.00320
-6.000	.00000	.00000	.25373	-.33668	.15029	.00790	.01075	.00543	-.00452	.00341
-4.000	.00000	.00000	.24202	-.25899	.12515	.00796	.01074	.00546	-.00537	.00290
-2.000	.00000	.00000	.23190	-.18108	.09961	.00805	.01073	.00543	-.00520	.00228
.000	.00000	.00000	.22319	-.10861	.07833	.00818	.01085	.00548	-.00565	.00179
2.000	.00000	.00000	.21528	-.03974	.05768	.00832	.01088	.00545	-.00719	.00055
4.000	.00000	.00000	.20853	.03429	.03197	.00852	.01077	.00543	-.00768	-.00009
GRADIENT	.00000	.00000	-.00418	.03639	-.01141	.00007	.00001	-.00000	-.00033	-.00039

LARC UPWT 1177(IA94B) OTSAT130 (MJWB30) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26723	-.44315	.18340	.01351	.01864	.00858	.01388	.00083
-6.000	.00000	.00000	.25634	-.35366	.15314	.01352	.01885	.00858	.01005	.00063
-4.000	.00000	.00000	.24722	-.26337	.12075	.01366	.01877	.00856	.00675	.00038
-2.000	.00000	.00000	.23867	-.17874	.09337	.01398	.01852	.00850	.00376	.00007
.000	.00000	.00000	.23137	-.09845	.06928	.01433	.01827	.00840	.00004	-.00078
2.000	.00000	.00000	.22620	-.01786	.04208	.01452	.01828	.00833	-.00365	-.00317
4.000	.00000	.00000	.22167	.06841	.00769	.01457	.01825	.00825	-.00693	-.00590
GRADIENT	.00000	.00000	-.00318	.04122	-.01387	.00012	-.00006	-.00004	-.00174	-.00079

LARC UPWT 1177(IA94B) OTSAT130 (MJWB30) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = .000 ELV-RI = .000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	.00000	.26791	-.41858	.17676	.00808	.01100	.00538	.00131	.00308
-6.000	.00000	.00000	.25711	-.34149	.15275	.00792	.01098	.00538	-.00195	.00311
-4.000	.00000	.00000	.24510	-.26327	.12729	.00796	.01100	.00540	-.00290	.00287
-2.000	.00000	.00000	.23404	-.18294	.10054	.00801	.01089	.00539	-.00285	.00219
.000	.00000	.00000	.22495	-.10764	.07700	.00813	.01086	.00536	-.00315	.00155
2.000	.00000	.00000	.21624	-.03514	.05405	.00837	.01099	.00536	-.00402	.00006
4.000	.00000	.00000	.21008	.03925	.02768	.00853	.01091	.00530	-.00491	-.00084
GRADIENT	.00000	.00000	-.00439	.03764	-.01229	.00008	-.00000	-.00001	-.00026	-.00048

LARC UPWT 1177(IA94B) OTSAT130 (MJWB32) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.27730	-.52939	.21887	.02488	.03680	.01624	.01017	.01222
-6.000	.00000	-5.00000	.27279	-.41118	.17495	.02516	.03647	.01632	-.00225	.00890
-4.000	.00000	-5.00000	.26630	-.29584	.13421	.02539	.03584	.01646	-.01259	.00574
-2.000	.00000	-5.00000	.26106	-.18950	.09805	.02570	.03484	.01659	-.02394	.00350
.000	.00000	-5.00000	.25598	-.09638	.06727	.02632	.03324	.01663	-.03539	.00245
2.000	.00000	-5.00000	.25249	-.00640	.03619	.02648	.03249	.01656	-.04227	.00012
4.000	.00000	-5.00000	.25021	.09474	-.00316	.02636	.03215	.01634	-.03922	-.00468
GRADIENT	.00000	.00000	-.00204	.04821	-.01683	.00014	-.00049	-.00001	-.00358	-.00121

LARC UPWT 1177(IA94B) OTSAT130 (MJW832) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.27007	-.46007	.19208	.01367	.01851	.00894	.00235	.01287
-6.000	.00000	-5.00000	.25949	-.37051	.16127	.01378	.01885	.00900	-.00146	.01156
-4.000	.00000	-5.00000	.24966	-.27826	.12793	.01391	.01874	.00898	-.00414	.01043
-2.000	.00000	-5.00000	.24050	-.19368	.10039	.01421	.01838	.00895	-.00778	.00798
.000	.00000	-5.00000	.23367	-.11065	.07453	.01433	.01829	.00895	-.01013	.00604
2.000	.00000	-5.00000	.22863	-.03006	.04799	.01463	.01807	.00886	-.01599	.00420
4.000	.00000	-5.00000	.22298	.05782	.01382	.01477	.01794	.00870	-.02057	.00190
GRADIENT	.00000	.00000	-.00326	.04179	-.01403	.00011	-.00010	-.00003	-.00205	-.00104

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.27334	-.44369	.18492	.00780	.01032	.00519	-.00248	.01255
-6.000	.00000	-5.00000	.26201	-.36167	.15867	.00778	.01030	.00519	-.00286	.01174
-4.000	.00000	-5.00000	.25090	-.27855	.13080	.00785	.01039	.00520	-.00269	.00984
-2.000	.00000	-5.00000	.23996	-.19978	.10480	.00801	.01046	.00521	-.00439	.00713
.000	.00000	-5.00000	.22898	-.12478	.08175	.00820	.01033	.00514	-.00603	.00668
2.000	.00000	-5.00000	.21977	-.05025	.05859	.00837	.01039	.00510	-.00709	.00584
4.000	.00000	-5.00000	.21313	.02543	.03156	.00846	.01037	.00507	-.00825	.00410
GRADIENT	.00000	.00000	-.00479	.03787	-.01223	.00008	-.00001	-.00002	-.00069	-.00064

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LARC UPWT 1177(IA94B) OTSAT130 (MJWB33) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.27819	-.53293	.22282	.02420	.03479	.01652	.01553	.01284
-6.000	.00000	-5.00000	.27154	-.40905	.17657	.02431	.03541	.01654	.00316	.00878
-4.000	.00000	-5.00000	.26443	-.29757	.13687	.02471	.03530	.01665	-.00786	.00584
-2.000	.00000	-5.00000	.26047	-.19345	.10036	.02497	.03463	.01664	-.01848	.00375
.000	.00000	-5.00000	.25626	-.10358	.07170	.02573	.03337	.01662	-.02987	.00285
2.000	.00000	-5.00000	.25169	-.01159	.04153	.02615	.03224	.01652	-.03649	.00013
4.000	.00000	-5.00000	.24948	.08850	.00319	.02590	.03179	.01636	-.03516	-.00454
GRADIENT	.00000	.00000	-.00193	.04770	-.01631	.00018	-.00047	-.00003	-.00363	-.00122

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26541	-.45845	.19289	.01386	.01806	.00880	.00963	.01286
-6.000	.00000	-5.00000	.25426	-.36766	.16129	.01390	.01830	.00892	.00526	.01125
-4.000	.00000	-5.00000	.24445	-.27706	.12895	.01395	.01828	.00893	.00174	.00969
-2.000	.00000	-5.00000	.23683	-.19370	.10208	.01412	.01825	.00895	-.00337	.00788
.000	.00000	-5.00000	.23140	-.11491	.07843	.01449	.01791	.00892	-.00754	.00618
2.000	.00000	-5.00000	.22648	-.03577	.05283	.01476	.01772	.00879	-.01237	.00445
4.000	.00000	-5.00000	.22104	.05127	.01893	.01482	.01753	.00872	-.01496	.00240
GRADIENT	.00000	.00000	-.00286	.04073	-.01346	.00012	-.00010	-.00003	-.00212	-.00090

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26926	-.43848	.18298	.00812	.01029	.00503	-.00174	.01212
-6.000	.00000	-5.00000	.25729	-.35987	.15894	.00798	.01034	.00511	-.00249	.01119
-4.000	.00000	-5.00000	.24413	-.28170	.13423	.00801	.01020	.00518	-.00276	.00960
-2.000	.00000	-5.00000	.23269	-.20248	.10782	.00805	.01027	.00516	-.00459	.00789
.000	.00000	-5.00000	.22428	-.12881	.08544	.00820	.01035	.00517	-.00528	.00632
2.000	.00000	-5.00000	.21754	-.05512	.06263	.00835	.01022	.00515	-.00624	.00536
4.000	.00000	-5.00000	.21078	.02074	.03596	.00840	.01017	.00510	-.00779	.00430
GRADIENT	.00000	.00000	-.00409	.03761	-.01209	.00005	-.00001	-.00001	-.00059	-.00066

LARC UPWT 1177(IA94B) OTSAT130 (MJWB34) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.27340	-.53409	.21900	.02285	.03668	.01606	.02962	.01165
-6.000	.00000	-5.00000	.26627	-.41412	.17475	.02326	.03657	.01604	.01860	.00758
-4.000	.00000	-5.00000	.25929	-.29179	.13072	.02383	.03628	.01596	.00769	.00350
-2.000	.00000	-5.00000	.25576	-.19160	.09738	.02419	.03550	.01593	-.00060	.00086
.000	.00000	-5.00000	.25398	-.10051	.07053	.02460	.03451	.01596	-.00855	-.00074
2.000	.00000	-5.00000	.25018	-.01053	.04170	.02486	.03363	.01597	-.01707	-.00279
4.000	.00000	-5.00000	.24563	.08458	.00648	.02469	.03333	.01594	-.02135	-.00732
GRADIENT	.00000	.00000	-.00164	.04669	-.01521	.00012	-.00039	.00000	-.00373	-.00126

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26108	-.45386	.18897	.01352	.01800	.00883	.00770	.00880
-6.000	.00000	-5.00000	.24960	-.36774	.16112	.01357	.01815	.00888	.00454	.00792
-4.000	.00000	-5.00000	.24077	-.27901	.13028	.01362	.01820	.00890	.00226	.00621
-2.000	.00000	-5.00000	.23424	-.19632	.10388	.01394	.01776	.00894	-.00296	.00471
.000	.00000	-5.00000	.22955	-.11740	.07981	.01414	.01752	.00890	-.00769	.00420
2.000	.00000	-5.00000	.22486	-.04126	.05638	.01435	.01743	.00886	-.01101	.00285
4.000	.00000	-5.00000	.21991	.04286	.02584	.01434	.01723	.00876	-.01208	.00134
GRADIENT	.00000	.00000	-.00256	.03994	-.01282	.00009	-.00011	-.00002	-.00184	-.00058

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26496	-.43277	.17886	.00744	.01029	.00519	.00006	.00871
-6.000	.00000	-5.00000	.25222	-.35472	.15507	.00761	.01029	.00527	-.00052	.00826
-4.000	.00000	-5.00000	.24043	-.27895	.13193	.00773	.01030	.00526	-.00056	.00700
-2.000	.00000	-5.00000	.23029	-.20343	.10857	.00782	.01032	.00524	-.00251	.00539
.000	.00000	-5.00000	.22145	-.12693	.08381	.00797	.01020	.00524	-.00660	.00443
2.000	.00000	-5.00000	.21476	-.05466	.06179	.00812	.01015	.00525	-.00750	.00389
4.000	.00000	-5.00000	.20868	.01770	.03774	.00826	.01016	.00522	-.00629	.00316
GRADIENT	.00000	.00000	-.00395	.03710	-.01176	.00007	-.00002	-.00000	-.00082	-.00046

LARC UPWT 1177(1A94B) OTSAT130 (MJWB35) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.27869	-.54419	.22337	.02376	.03604	.01599	.04264	.01286
-6.000	.00000	-5.00000	.27347	-.42236	.17807	.02435	.03571	.01565	.03491	.00902
-4.000	.00000	-5.00000	.26777	-.30932	.13806	.02467	.03533	.01506	.02668	.00525
-2.000	.00000	-5.00000	.26349	-.20207	.10073	.02483	.03498	.01475	.01813	.00024
.000	.00000	-5.00000	.25984	-.10676	.07009	.02540	.03362	.01476	.00907	-.00474
2.000	.00000	-5.00000	.25376	-.01514	.04133	.02616	.03285	.01480	-.00012	-.00773
4.000	.00000	-5.00000	.25104	.08300	.00465	.02627	.03222	.01472	-.00432	-.01054
GRADIENT	.00000	.00000	-.00216	.04858	-.01631	.00023	-.00041	-.00003	-.00401	-.00198

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26546	-.45614	.19038	.01366	.01766	.00872	.01106	.00622
-6.000	.00000	-5.00000	.25453	-.36560	.15885	.01357	.01797	.00874	.00589	.00514
-4.000	.00000	-5.00000	.24451	-.27813	.12893	.01363	.01805	.00874	.00260	.00476
-2.000	.00000	-5.00000	.23670	-.19603	.10253	.01384	.01795	.00870	.00024	.00371
.000	.00000	-5.00000	.23046	-.11513	.07822	.01403	.01786	.00864	-.00336	.00295
2.000	.00000	-5.00000	.22481	-.03923	.05486	.01444	.01775	.00862	-.00747	.00165
4.000	.00000	-5.00000	.21968	.04614	.02201	.01465	.01764	.00850	-.01173	.00029
GRADIENT	.00000	.00000	-.00308	.04027	-.01308	.00013	-.00005	-.00003	-.00182	-.00055

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26623	-.43916	.18271	.00769	.01026	.00518	-.00171	.00696
-6.000	.00000	-5.00000	.25497	-.35845	.15728	.00770	.01046	.00518	-.00379	.00694
-4.000	.00000	-5.00000	.24281	-.27774	.13120	.00777	.01046	.00519	-.00504	.00609
-2.000	.00000	-5.00000	.23056	-.20036	.10626	.00786	.01060	.00526	-.00502	.00494
.000	.00000	-5.00000	.22267	-.12800	.08506	.00800	.01052	.00522	-.00510	.00429
2.000	.00000	-5.00000	.21558	-.05605	.06355	.00814	.01037	.00521	-.00631	.00351
4.000	.00000	-5.00000	.20828	.01795	.03776	.00830	.01025	.00519	-.00696	.00312
GRADIENT	.00000	.00000	-.00420	.03678	-.01148	.00007	-.00003	-.00000	-.00026	-.00037

LARC UPWT 1177(1A94B) OTSAT130 (MJW836) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -5.000 ELV-RI = .000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.28270	-.55019	.22556	.02432	.03525	.01481	.05010	.01422
-6.000	.00000	-5.00000	.27590	-.43036	.18100	.02459	.03576	.01490	.04267	.01071
-4.000	.00000	-5.00000	.26944	-.31789	.14146	.02509	.03557	.01463	.03446	.00696
-2.000	.00000	-5.00000	.26449	-.20902	.10360	.02545	.03507	.01422	.02535	.00253
.000	.00000	-5.00000	.25957	-.10972	.07077	.02595	.03416	.01407	.01759	-.00214
2.000	.00000	-5.00000	.25311	-.01410	.03847	.02633	.03350	.01408	.00811	-.00784
4.000	.00000	-5.00000	.25023	.08499	.00042	.02669	.03285	.01403	.00409	-.01023
GRADIENT	.00000	.00000	-.00249	.05003	-.01736	.00020	-.00035	-.00007	-.00390	-.00224

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26892	-.46172	.19308	.01366	.01788	.00820	.01480	.00484
-6.000	.00000	-5.00000	.25802	-.37100	.16216	.01353	.01820	.00828	.01080	.00412
-4.000	.00000	-5.00000	.24798	-.28124	.13024	.01367	.01833	.00830	.00741	.00345
-2.000	.00000	-5.00000	.23985	-.19649	.10261	.01399	.01804	.00829	.00511	.00259
.000	.00000	-5.00000	.23260	-.11620	.07814	.01413	.01797	.00826	.00161	.00199
2.000	.00000	-5.00000	.22728	-.03473	.05125	.01433	.01787	.00822	-.00212	.00037
4.000	.00000	-5.00000	.22196	.05063	.01780	.01447	.01793	.00814	-.00568	-.00143
GRADIENT	.00000	.00000	-.00323	.04127	-.01381	.00010	-.00005	-.00002	-.00167	-.00060

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-5.00000	.26783	-.44144	.18565	.00764	.01048	.00504	.00249	.00688
-6.000	.00000	-5.00000	.25691	-.36309	.16092	.00783	.01035	.00505	-.00082	.00664
-4.000	.00000	-5.00000	.24592	-.28451	.13511	.00792	.01024	.00501	-.00233	.00603
-2.000	.00000	-5.00000	.23436	-.20505	.10899	.00852	.01008	.00494	-.00235	.00494
.000	.00000	-5.00000	.22464	-.12957	.08566	.00815	.01035	.00502	-.00275	.00447
2.000	.00000	-5.00000	.21746	-.05477	.06186	.00872	.00983	.00492	-.00350	.00359
4.000	.00000	-5.00000	.21050	.01938	.03722	.00846	.00997	.00503	-.00410	.00232
GRADIENT	.00000	.00000	-.00439	.03790	-.01215	.00006	-.00004	.00000	-.00023	-.00044

LARC UPWT 1177(IA94B) OTSAT130 (MJWB37) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26831	-.43435	.17865	.01387	.01856	.00897	.00128	-.00125
-6.000	.00000	4.00000	.25811	-.34393	.14743	.01385	.01871	.00901	-.00250	-.00218
-4.000	.00000	4.00000	.24813	-.25305	.11486	.01398	.01871	.00904	-.00561	-.00311
-2.000	.00000	4.00000	.23952	-.16984	.08851	.01426	.01851	.00903	-.00887	-.00470
.000	.00000	4.00000	.23297	-.08848	.06346	.01455	.01813	.00896	-.01170	-.00621
2.000	.00000	4.00000	.22801	-.00614	.03533	.01473	.01788	.00886	-.01737	-.00809
4.000	.00000	4.00000	.22290	.07891	.00206	.01479	.01788	.00874	-.02151	-.01076
GRADIENT	.00000	.00000	-.00310	.04138	-.01394	.00010	-.00011	-.00004	-.00201	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.27246	-.41461	.17105	.00803	.01076	.00534	-.00337	.00068
-6.000	.00000	4.00000	.26060	-.33551	.14655	.00798	.01075	.00538	-.00371	.00003
-4.000	.00000	4.00000	.24958	-.25359	.11934	.00804	.01083	.00541	-.00339	-.00135
-2.000	.00000	4.00000	.23891	-.17297	.09237	.00808	.01085	.00538	-.00514	-.00275
.000	.00000	4.00000	.22827	-.09890	.06987	.00814	.01076	.00540	-.00694	-.00299
2.000	.00000	4.00000	.21913	-.02618	.04745	.00836	.01074	.00534	-.00789	-.00448
4.000	.00000	4.00000	.21291	.05013	.01968	.00853	.01072	.00524	-.00938	-.00670
GRADIENT	.00000	.00000	-.00466	.03771	-.01221	.00006	-.00002	-.00002	-.00074	-.00062

LARC UPWT 1177(IA94B) OTSAT130 (MJWB38) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26337	-.43293	.17941	.01385	.01838	.00889	.00894	.00010
-6.000	.00000	4.00000	.25260	-.34276	.14833	.01385	.01849	.00897	.00471	-.00101
-4.000	.00000	4.00000	.24305	-.25273	.11649	.01397	.01852	.00902	.00046	-.00214
-2.000	.00000	4.00000	.23583	-.17060	.09048	.01414	.01851	.00905	-.00482	-.00373
.000	.00000	4.00000	.23052	-.09099	.06617	.01437	.01833	.00903	-.00890	-.00513
2.000	.00000	4.00000	.22517	-.01166	.03981	.01463	.01812	.00898	-.01317	-.00685
4.000	.00000	4.00000	.22046	.07430	.00608	.01474	.01792	.00885	-.01575	-.00943
GRADIENT	.00000	.00000	-.00279	.04065	-.01357	.00010	-.00008	-.00002	-.00204	-.00089

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26814	-.41109	.17029	.00821	.01070	.00523	-.00254	.00117
-6.000	.00000	4.00000	.25566	-.33357	.14670	.00809	.01071	.00526	-.00315	.00118
-4.000	.00000	4.00000	.24290	-.25413	.12107	.00809	.01072	.00529	-.00343	.00034
-2.000	.00000	4.00000	.23196	-.17635	.09574	.00817	.01071	.00537	-.00517	-.00074
.000	.00000	4.00000	.22424	-.10415	.07446	.00823	.01071	.00535	-.00550	-.00160
2.000	.00000	4.00000	.21706	-.03108	.05160	.00848	.01071	.00533	-.00706	-.00317
4.000	.00000	4.00000	.21026	.04447	.02434	.00858	.01072	.00527	-.00864	-.00503
GRADIENT	.00000	.00000	-.00401	.03712	-.01[illegible]	.00007	.00000	-.00000	-.00062	-.00066

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LARC UPWT 1177(IA948) OTSAT130 (MJWB39) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.25820	-.42912	.17662	.01367	.01812	.00897	.00709	-.00096
-6.000	.00000	4.00000	.24719	-.34257	.14839	.01364	.01839	.00901	.00458	-.00170
-4.000	.00000	4.00000	.23838	-.25625	.11871	.01374	.01844	.00909	.00178	-.00306
-2.000	.00000	4.00000	.23254	-.17470	.09313	.01394	.01823	.00909	-.00427	-.00402
.000	.00000	4.00000	.22854	-.09620	.06965	.01418	.01798	.00910	-.00874	-.00478
2.000	.00000	4.00000	.22451	-.01622	.04355	.01445	.01724	.00879	-.01188	-.00619
4.000	.00000	4.00000	.21861	.06593	.01362	.01438	.01773	.00902	-.01276	-.00834
GRADIENT	.00000	.00000	-.00238	.04014	-.01299	.00009	-.00012	-.00002	-.00183	-.00064

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26220	-.40287	.16399	.00778	.01038	.00531	-.00132	.00043
-6.000	.00000	4.00000	.24971	-.32802	.14303	.00778	.01049	.00537	-.00120	.00049
-4.000	.00000	4.00000	.23827	-.24983	.11845	.00786	.01045	.00538	-.00139	.00027
-2.000	.00000	4.00000	.22834	-.17541	.09494	.00798	.01053	.00543	-.00400	-.00052
.000	.00000	4.00000	.21974	-.10316	.07280	.00810	.01056	.00543	-.00800	-.00111
2.000	.00000	4.00000	.21342	-.03135	.05080	.00827	.01055	.00542	-.00853	-.00234
4.000	.00000	4.00000	.20738	.04124	.02619	.00841	.01063	.00539	-.00737	-.00389
GRADIENT	.00000	.00000	-.00384	.03631	-.01143	.00007	.00002	.00000	-.00083	-.00051

LARC UPWT 1177(1A94B) OTSAT130 (MJWB40) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26302	-.43152	.17758	.01338	.01883	.00896	.01022	-.00254
-6.000	.00000	4.00000	.25232	-.34160	.14674	.01355	.01880	.00890	.00545	-.00246
-4.000	.00000	4.00000	.24296	-.25393	.11640	.01371	.01854	.00880	.00245	-.00227
-2.000	.00000	4.00000	.23579	-.17183	.09036	.01399	.01833	.00870	-.00063	-.00299
.000	.00000	4.00000	.22978	-.09284	.06693	.01423	.01807	.00863	-.00412	-.00392
2.000	.00000	4.00000	.22443	-.01428	.04140	.01445	.01808	.00858	-.00794	-.00565
4.000	.00000	4.00000	.21960	.07073	.00847	.01467	.01804	.00846	-.01273	-.00834
GRADIENT	.00000	.00000	-.00290	.04034	-.01324	.00012	-.00006	-.00004	-.00188	-.00074

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26578	-.41052	.16934	.00772	.01086	.00534	-.00249	.00029
-6.000	.00000	4.00000	.25362	-.33294	.14612	.00775	.01081	.00537	-.00473	.00048
-4.000	.00000	4.00000	.24192	-.25361	.12009	.00780	.01081	.00536	-.00524	.00033
-2.000	.00000	4.00000	.23149	-.17695	.09553	.00795	.01079	.00536	-.00518	-.00043
.000	.00000	4.00000	.22274	-.10656	.07568	.00807	.01084	.00538	-.00552	-.00074
2.000	.00000	4.00000	.21510	-.03430	.05322	.00822	.01078	.00537	-.00717	-.00203
4.000	.00000	4.00000	.20856	.04075	.02675	.00840	.01072	.00535	-.00784	-.00263
GRADIENT	.00000	.00000	-.00416	.03657	-.01145	.00007	-.00001	.00000	-.00036	-.00038

LARC UPWT 1177(IA94B) OTSAT130 (MJWB41) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 4.000 ELV-RI = .000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26694	-.43600	.17961	.01359	.01837	.00845	.01401	-.00271
-6.000	.00000	4.00000	.25636	-.34620	.14895	.01352	.01861	.00849	.01012	-.00285
-4.000	.00000	4.00000	.24701	-.25686	.11703	.01367	.01864	.00849	.00687	-.00319
-2.000	.00000	4.00000	.23867	-.17282	.09000	.01393	.01847	.00843	.00389	-.00351
.000	.00000	4.00000	.23176	-.09299	.06647	.01418	.01832	.00838	.00032	-.00456
2.000	.00000	4.00000	.22650	-.01068	.03829	.01444	.01827	.00831	-.00332	-.00758
4.000	.00000	4.00000	.22189	.07569	.00388	.01458	.01823	.00818	-.00669	-.01087
GRADIENT	.00000	.00000	-.00312	.04136	-.01390	.00012	-.00005	-.00004	-.00172	-.00097

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	4.00000	.26744	-.41676	.17402	.00779	.01098	.00534	.00139	.00030
-6.000	.00000	4.00000	.25622	-.33633	.14819	.00771	.01099	.00532	-.00172	.00020
-4.000	.00000	4.00000	.24438	-.25806	.12260	.00778	.01099	.00535	-.00260	.00029
-2.000	.00000	4.00000	.23339	-.17896	.09654	.00785	.01106	.00533	-.00267	-.00036
.000	.00000	4.00000	.22426	-.10398	.07385	.00801	.01098	.00530	-.00329	-.00071
2.000	.00000	4.00000	.21627	-.03153	.05075	.00824	.01094	.00527	-.00410	-.00228
4.000	.00000	4.00000	.21002	.04395	.02342	.00843	.01088	.00523	-.00496	-.00353
GRADIENT	.00000	.00000	-.00429	.03757	-.01221	.00008	-.00002	-.00002	-.00031	-.00048

LARC UPWT 1177(1A94B) OTSAT130 (MJWB42) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	2.00000	.27656	-.50870	.20698	.02486	.03712	.01625	.00959	-.00291
-6.000	.00000	2.00000	.27186	-.39294	.16348	.02516	.03642	.01641	-.00272	-.00554
-4.000	.00000	2.00000	.26673	-.28289	.12494	.02539	.03522	.01666	-.01293	-.00792
-2.000	.00000	2.00000	.26161	-.17413	.08853	.02567	.03408	.01669	-.02449	-.00951
.000	.00000	2.00000	.25620	-.08076	.05833	.02625	.03252	.01667	-.03640	-.01003
2.000	.00000	2.00000	.25276	.00965	.02652	.02636	.03192	.01650	-.04273	-.01288
4.000	.00000	2.00000	.25031	.11416	-.01506	.02612	.03179	.01621	-.03916	-.01959
GRADIENT	.00000	.00000	-.00208	.04889	-.01710	.00011	-.00045	-.00005	-.00353	-.00134

LARC UPWT 1177(1A94B) OTSAT130 (MJWB43) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	2.00000	.27610	-.51354	.21051	.02418	.03537	.01652	.01502	-.00138
-6.000	.00000	2.00000	.27047	-.39285	.16523	.02434	.03580	.01657	.00271	-.00440
-4.000	.00000	2.00000	.26443	-.27982	.12556	.02463	.03537	.01662	-.00838	-.00667
-2.000	.00000	2.00000	.26027	-.17868	.09088	.02495	.03447	.01662	-.01929	-.00803
.000	.00000	2.00000	.25600	-.08557	.06189	.02565	.03318	.01658	-.03070	-.00852
2.000	.00000	2.00000	.25177	.00642	.03091	.02590	.03190	.01642	-.03671	-.01168
4.000	.00000	2.00000	.24929	.10559	-.00747	.02564	.03157	.01627	-.03536	-.01823
GRADIENT	.00000	.00000	-.00194	.04780	-.01630	.00015	-.00051	-.00004	-.00357	-.00134

LARC UPWT 1177(IA94B) OTSAT130 (MJWB44) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	2.00000	.27224	-.51212	.20659	.02282	.03675	.01610	.02946	-.00205
-6.000	.00000	2.00000	.26579	-.39200	.16160	.02328	.03656	.01602	.01853	-.00503
-4.000	.00000	2.00000	.26006	-.27704	.12129	.02377	.03615	.01591	.00780	-.00794
-2.000	.00000	2.00000	.25630	-.17755	.08933	.02403	.03521	.01588	-.00071	-.00981
.000	.00000	2.00000	.25458	-.08676	.06310	.02437	.03404	.01590	-.00916	-.01112
2.000	.00000	2.00000	.25026	.00451	.03341	.02459	.03334	.01589	-.01784	-.01417
4.000	.00000	2.00000	.24550	.10003	-.00194	.02461	.03276	.01582	-.02282	-.02093
GRADIENT	.00000	.00000	-.00176	.04681	-.01512	.00011	-.00043	-.00001	-.00392	-.00152

LARC UPWT 1177(IA94B) OTSAT130 (MJWB45) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	2.00000	.27848	-.52207	.21020	.02382	.03544	.01562	.04212	-.00011
-6.000	.00000	2.00000	.27297	-.40346	.16590	.02435	.03555	.01546	.03438	-.00296
-4.000	.00000	2.00000	.26769	-.29074	.12677	.02460	.03525	.01494	.02608	-.00619
-2.000	.00000	2.00000	.26338	-.18466	.09060	.02476	.03452	.01457	.01735	-.01085
.000	.00000	2.00000	.25930	-.09036	.06119	.02533	.03335	.01468	.00765	-.01535
2.000	.00000	2.00000	.25353	.00142	.03167	.02596	.03261	.01469	-.00151	-.01886
4.000	.00000	2.00000	.25114	.10100	-.00605	.02615	.03202	.01462	-.00551	-.02359
GRADIENT	.00000	.00000	-.00215	.04848	-.01623	.00022	-.00042	-.00003	-.00410	-.00214

LARC UPWT 1177(IA94B) OTSAT130 (MJWB46) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = 2.000 ELV-RI = .000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	2.00000	.28089	-.52914	.21307	.02424	.03598	.01485	.04965	.00083
-6.000	.00000	2.00000	.27455	-.41171	.16924	.02468	.03612	.01493	.04208	-.00162
-4.000	.00000	2.00000	.26911	-.29690	.12915	.02512	.03550	.01446	.03356	-.00449
-2.000	.00000	2.00000	.26438	-.19009	.09287	.02535	.03495	.01409	.02451	-.00832
.000	.00000	2.00000	.25905	-.09369	.06185	.02589	.03391	.01397	.01642	-.01300
2.000	.00000	2.00000	.25331	.00317	.02870	.02634	.03275	.01402	.00702	-.01936
4.000	.00000	2.00000	.25011	.10536	-.01161	.02667	.03243	.01388	.00297	-.02292
GRADIENT	.00000	.00000	-.00245	.04989	-.01728	.00020	-.00042	-.00006	-.00393	-.00239

LARC UPWT 1177(IA94B) OTSAT130 (MJWB47) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-10.00000	.27751	-.51001	.21195	.02489	.03703	.01622	.00978	.02634
-6.000	.00000	-10.00000	.27246	-.38900	.16684	.02511	.03632	.01630	-.00300	.02196
-4.000	.00000	-10.00000	.26702	-.27884	.12925	.02532	.03550	.01647	-.01304	.01824
-2.000	.00000	-10.00000	.26205	-.17548	.09448	.02565	.03426	.01653	-.02393	.01505
.000	.00000	-10.00000	.25777	-.07967	.06361	.02628	.03198	.01655	-.03577	.01303
2.000	.00000	-10.00000	.25329	.01139	.03133	.02637	.03177	.01644	-.04126	.00975
4.000	.00000	-10.00000	.25107	.11472	-.00968	.02608	.03164	.01607	-.03624	.00480
GRADIENT	.00000	.00000	-.00203	.04870	-.01705	.00011	-.00051	-.00004	-.00319	-.00161

LARC UPWT 1177(IA94B) OTSAT130 (MJWB48) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-10.00000	.27725	-.51012	.21537	.02419	.03539	.01653	.01487	.02679
-6.000	.00000	-10.00000	.27210	-.39072	.17063	.02440	.03554	.01665	.00258	.02203
-4.000	.00000	-10.00000	.26653	-.28541	.13408	.02471	.03484	.01682	-.00815	.01873
-2.000	.00000	-10.00000	.26146	-.18126	.09841	.02502	.03382	.01672	-.01877	.01581
.000	.00000	-10.00000	.25714	-.08746	.06944	.02591	.03199	.01662	-.03052	.01365
2.000	.00000	-10.00000	.25101	-.00688	.04319	.02643	.03171	.01663	-.03733	.00932
4.000	.00000	-10.00000	.25164	.10404	-.00070	.02558	.03109	.01609	-.03339	.00481
GRADIENT	.00000	.00000	-.00201	.04766	-.01624	.00016	-.00048	-.00008	-.00345	-.00172

LARC UPWT 1177(IA94B) OTSAT130 (MJWB49) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-10.00000	.27230	-.51167	.21118	.02294	.03732	.01621	.02991	.02434
-6.000	.00000	-10.00000	.26654	-.39222	.16606	.02335	.03686	.01606	.01897	.01874
-4.000	.00000	-10.00000	.26091	-.28024	.12677	.02375	.03619	.01592	.00839	.01356
-2.000	.00000	-10.00000	.25730	-.17443	.09263	.02408	.03534	.01594	-.00072	.00989
.000	.00000	-10.00000	.25483	-.08574	.06688	.02437	.03422	.01594	-.00876	.00757
2.000	.00000	-10.00000	.25058	.00684	.03677	.02458	.03340	.01592	-.01668	.00418
4.000	.00000	-10.00000	.24662	.09945	.00168	.02446	.03276	.01585	-.02045	-.00113
GRADIENT	.00000	.00000	-.00177	.04703	-.01530	.00010	-.00044	-.00001	-.00368	-.00175

LARC UPWT 1177(IA94B) OTSAT130 (MJWB50) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-10.00000	.27847	-.52413	.21780	.02396	.03622	.01600	.04291	.02572
-6.000	.00000	-10.00000	.27410	-.40724	.17378	.02441	.03591	.01575	.03517	.02032
-4.000	.00000	-10.00000	.26850	-.29193	.13438	.02460	.03543	.01527	.02680	.01518
-2.000	.00000	-10.00000	.26483	-.18954	.10016	.02480	.03470	.01491	.01810	.00905
.000	.00000	-10.00000	.26112	-.09325	.07009	.02538	.03316	.01482	.00884	.00304
2.000	.00000	-10.00000	.25519	-.00110	.03981	.02613	.03217	.01479	.00001	-.00088
4.000	.00000	-10.00000	.25300	.09677	.00284	.02614	.03199	.01472	-.00303	-.00422
GRADIENT	.00000	.00000	-.00203	.04829	-.01617	.00022	-.00047	-.00006	-.00389	-.00244

LARC UPWT 1177(IA94B) OTSAT130 (MJWB51) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
ELV-LO = -10.000 ELV-RI = .000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	.00000	-10.00000	.27977	-.53649	.22341	.02449	.03695	.01536	.04966	.02692
-6.000	.00000	-10.00000	.27673	-.41163	.17597	.02472	.03618	.01502	.04277	.02196
-4.000	.00000	-10.00000	.27061	-.30251	.13876	.02525	.03581	.01466	.03390	.01615
-2.000	.00000	-10.00000	.26414	-.20304	.10574	.02575	.03490	.01443	.02479	.01054
.000	.00000	-10.00000	.26224	-.09857	.07144	.02606	.03199	.01406	.01763	.00531
2.000	.00000	-10.00000	.25521	-.00460	.03913	.02643	.03214	.01408	.00846	-.00093
4.000	.00000	-10.00000	.25266	.10158	-.00316	.02667	.03199	.01401	.00516	-.00350
GRADIENT	.00000	.00000	-.00224	.05033	-.01752	.00018	-.00052	-.00008	-.00369	-.00254

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LARC UPWT 1177(IA94B) OTSAT130 (MJWB52) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.28303	-.49815	.20093	.02567	.03523	.01674	-.08038	.02513
-6.000	12.00000	-10.00000	.27739	-.38253	.15797	.02614	.03464	.01690	-.08658	.02058
-4.000	12.00000	-10.00000	.27176	-.27102	.11936	.02656	.03347	.01712	-.09270	.01681
-2.000	12.00000	-10.00000	.26605	-.16480	.08377	.02693	.03235	.01717	-.10054	.01385
.000	12.00000	-10.00000	.26147	-.07034	.05311	.02747	.03029	.01716	-.10950	.01181
2.000	12.00000	-10.00000	.25813	.02365	.01972	.02755	.02907	.01703	-.11297	.00840
4.000	12.00000	-10.00000	.25559	.12582	-.02084	.02758	.02856	.01678	-.10705	.00367
GRADIENT	.00000	.00000	-.00201	.04911	-.01722	.00013	-.00066	-.00004	-.00206	-.00159

LARC UPWT 1177(IA94B) OTSAT130 (MJWB53) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.28172	-.50201	.20503	.02520	.03453	.01686	-.07155	.02526
-6.000	12.00000	-10.00000	.27669	-.38487	.16129	.02563	.03377	.01701	-.07762	.02054
-4.000	12.00000	-10.00000	.27066	-.27230	.12252	.02605	.03234	.01731	-.08446	.01715
-2.000	12.00000	-10.00000	.26611	-.16882	.08693	.02635	.03134	.01721	-.09233	.01390
.000	12.00000	-10.00000	.26263	-.07744	.05782	.02696	.02955	.01714	-.10012	.01178
2.000	12.00000	-10.00000	.25711	.01792	.02570	.02716	.02871	.01702	-.10327	.00801
4.000	12.00000	-10.00000	.25556	.11283	-.01085	.02716	.02844	.01681	-.09853	.00353
GRADIENT	.00000	.00000	-.00196	.04785	-.01640	.00015	-.00052	-.00006	-.00195	-.00166

LARC UPWT 1177(IA94B) OTSAT130 (MJWB54) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.27994	-.49827	.19985	.02384	.03382	.01659	-.05044	.02342
-6.000	12.00000	-10.00000	.27279	-.38074	.15609	.02425	.03360	.01656	-.05517	.01775
-4.000	12.00000	-10.00000	.26595	-.26924	.11647	.02490	.03299	.01649	-.05990	.01264
-2.000	12.00000	-10.00000	.26177	-.16366	.08193	.02535	.03205	.01642	-.06369	.00876
.000	12.00000	-10.00000	.25985	-.07227	.05405	.02575	.03101	.01638	-.06739	.00615
2.000	12.00000	-10.00000	.25577	.01899	.02444	.02624	.02982	.01631	-.07296	.00295
4.000	12.00000	-10.00000	.25204	.11439	-.01038	.02601	.02949	.01615	-.07501	-.00152
GRADIENT	.00000	.00000	-.00169	.04750	-.01556	.00016	-.00046	-.00004	-.00197	-.00171

LARC UPWT 1177(IA94B) OTSAT130 (MJWB55) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.28402	-.51107	.20466	.02478	.03382	.01621	-.02698	.02494
-6.000	12.00000	-10.00000	.27912	-.39080	.16019	.02506	.03320	.01586	-.03075	.01951
-4.000	12.00000	-10.00000	.27398	-.27785	.12095	.02537	.03238	.01521	-.03430	.01464
-2.000	12.00000	-10.00000	.26981	-.17638	.08660	.02583	.03153	.01507	-.03790	.00892
.000	12.00000	-10.00000	.26554	-.08311	.05787	.02648	.03008	.01503	-.04340	.00276
2.000	12.00000	-10.00000	.25962	.01209	.02530	.02683	.02903	.01502	-.04790	-.00147
4.000	12.00000	-10.00000	.25674	.10903	-.01084	.02713	.02911	.01492	-.04734	-.00470
GRADIENT	.00000	.00000	-.00223	.04811	-.01624	.00023	-.00045	-.00003	-.00180	-.00245

LARC UPWT 1177(IA94B) OTSAT130 (MJWB56) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -10.000 ELV-RI = 12.000
ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.28690	-.51921	.20844	.02503	.03434	.01538	-.01727	.02677
-6.000	12.00000	-10.00000	.28116	-.40042	.16413	.02542	.03387	.01520	-.01952	.02147
-4.000	12.00000	-10.00000	.27606	-.28754	.12486	.02578	.03278	.01473	-.02282	.01633
-2.000	12.00000	-10.00000	.27042	-.18297	.08943	.02602	.03228	.01459	-.02672	.01101
.000	12.00000	-10.00000	.26474	-.08644	.05788	.02650	.03081	.01440	-.03140	.00491
2.000	12.00000	-10.00000	.25911	.01079	.02403	.02696	.02948	.01433	-.03737	-.00141
4.000	12.00000	-10.00000	.25654	.11325	-.01633	.02718	.02911	.01414	-.03751	-.00417
GRADIENT	.00000	.00000	-.00252	.04977	-.01739	.00019	-.00051	-.00007	-.00200	-.00267

LARC UPWT 1177(IA94B) OTSAT130 (MJWB57) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.28116	-.49570	.19649	.02583	.03515	.01675	-.07787	.00937
-6.000	12.00000	-5.00000	.27503	-.37748	.15301	.02623	.03479	.01687	-.08407	.00587
-4.000	12.00000	-5.00000	.26878	-.26297	.11305	.02674	.03355	.01707	-.09050	.00260
-2.000	12.00000	-5.00000	.26374	-.16049	.07790	.02715	.03242	.01717	-.09845	.00027
.000	12.00000	-5.00000	.25870	-.06998	.04862	.02755	.03095	.01718	-.10730	-.00091
2.000	12.00000	-5.00000	.25555	.02530	.01521	.02773	.02956	.01709	-.11139	-.00363
4.000	12.00000	-5.00000	.25398	.12366	-.02343	.02772	.02886	.01685	-.10594	-.00754
GRADIENT	.00000	.00000	-.00189	.04795	-.01678	.00013	-.00061	-.00003	-.00219	-.00121

LARC UPWT 1177(IA94B) OTSAT130 (MJWB57) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26950	-.43192	.17503	.01432	.01855	.00905	-.06702	.01230
-6.000	12.00000	-5.00000	.25904	-.34165	.14427	.01437	.01871	.00905	-.06606	.01119
-4.000	12.00000	-5.00000	.24896	-.25024	.11175	.01455	.01866	.00906	-.06904	.00997
-2.000	12.00000	-5.00000	.24023	-.16793	.08557	.01479	.01846	.00908	-.07454	.00770
.000	12.00000	-5.00000	.23341	-.08634	.06049	.01498	.01817	.00902	-.07607	.00592
2.000	12.00000	-5.00000	.22855	-.00411	.03257	.01527	.01785	.00891	-.08093	.00385
4.000	12.00000	-5.00000	.22361	.08293	-.00116	.01534	.01775	.00879	-.08131	.00146
GRADIENT	.00000	.00000	-.00312	.04151	-.01394	.00010	-.00012	-.00004	-.00155	-.00104

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.27132	-.41417	.16847	.00849	.01104	.00541	-.04629	.01233
-6.000	12.00000	-5.00000	.25929	-.33578	.14468	.00849	.01105	.00541	-.04324	.01130
-4.000	12.00000	-5.00000	.24753	-.25213	.11649	.00855	.01104	.00544	-.03985	.00880
-2.000	12.00000	-5.00000	.23646	-.17292	.09030	.00862	.01116	.00542	-.03813	.00648
.000	12.00000	-5.00000	.22575	-.09896	.06786	.00870	.01106	.00545	-.04208	.00622
2.000	12.00000	-5.00000	.21714	-.02626	.04587	.00884	.01105	.00539	-.04205	.00538
4.000	12.00000	-5.00000	.21081	.05059	.01797	.00898	.01104	.00532	-.04383	.003 0
GRADIENT	.00000	.00000	-.00464	.03760	-.01207	.00005	-.00001	-.00001	-.00059	-.00057

LARC UPWT 1177(IA94B) OTSAT130 (MJWB58) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.28034	-.49827	.19958	.02548	.03356	.01695	-.06929	.01007
-6.000	12.00000	-5.00000	.27395	-.37714	.15493	.02588	.03371	.01701	-.07532	.00613
-4.000	12.00000	-5.00000	.26726	-.26610	.11586	.02622	.03312	.01712	-.08196	.00309
-2.000	12.00000	-5.00000	.26292	-.16457	.08090	.02653	.03215	.01714	-.08971	.00082
.000	12.00000	-5.00000	.25896	-.06922	.05086	.02710	.03030	.01712	-.09755	-.00057
2.000	12.00000	-5.00000	.25470	.02000	.02116	.02735	.02930	.01704	-.10101	-.00323
4.000	12.00000	-5.00000	.25317	.11551	-.01591	.02737	.02980	.01684	-.09653	-.00694
GRADIENT	.00000	.00000	-.00182	.04739	-.01616	.00016	-.00057	-.00003	-.00202	-.00121

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26431	-.42970	.17583	.01443	.01830	.00891	-.04883	.01294
-6.000	12.00000	-5.00000	.25337	-.33943	.14492	.01442	.01848	.00901	-.04942	.01147
-4.000	12.00000	-5.00000	.24382	-.25308	.11519	.01456	.01848	.00907	-.05264	.00999
-2.000	12.00000	-5.00000	.23647	-.16928	.08819	.01473	.01830	.00906	-.05691	.00799
.000	12.00000	-5.00000	.23092	-.09018	.06416	.01439	.01811	.00903	-.06047	.00613
2.000	12.00000	-5.00000	.22618	-.01039	.03787	.01529	.01760	.00893	-.06919	.00404
4.000	12.00000	-5.00000	.22139	.07572	.00384	.01534	.01733	.00886	-.06748	.00228
GRADIENT	.00000	.00000	-.00276	.04082	-.01365	.00011	-.00015	-.00003	-.00210	-.00097

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26699	-.41234	.16910	.00863	.01105	.00532	-.03898	.01112
-6.000	12.00000	-5.00000	.25484	-.33621	.14701	.00857	.01104	.00534	-.03586	.01010
-4.000	12.00000	-5.00000	.24137	-.25534	.12014	.00858	.01105	.00537	-.03372	.00884
-2.000	12.00000	-5.00000	.22969	-.17831	.09544	.00867	.01104	.00539	-.03302	.00764
.000	12.00000	-5.00000	.22205	-.10353	.07243	.00878	.01105	.00540	-.03249	.00677
2.000	12.00000	-5.00000	.21539	-.03265	.05069	.00892	.01092	.00538	-.03392	.00555
4.000	12.00000	-5.00000	.20853	.04374	.02356	.00902	.01099	.00533	-.03482	.00423
GRADIENT	.00000	.00000	-.00400	.03719	-.01190	.00096	-.00001	-.00000	-.00016	-.00057

LARC UPWT 1177(1A94B) OTSAT130 (MJWB59) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.27787	-.49626	.19624	.02401	.03401	.01660	-.04775	.00909
-6.000	12.00000	-5.00000	.27071	-.37907	.15318	.02443	.03368	.01657	-.05258	.00462
-4.000	12.00000	-5.00000	.26354	-.26464	.11201	.02505	.03325	.01650	-.05738	.00065
-2.000	12.00000	-5.00000	.26002	-.16263	.07826	.02545	.03252	.01645	-.06090	-.00194
.000	12.00000	-5.00000	.25807	-.07281	.05127	.02602	.03107	.01641	-.06483	-.00362
2.000	12.00000	-5.00000	.25445	.01973	.02144	.02641	.03007	.01635	-.06956	-.00589
4.000	12.00000	-5.00000	.25058	.11248	-.01269	.02624	.02960	.01623	-.07188	-.01041
GRADIENT	.00000	.00000	-.00157	.04683	-.01531	.00017	-.00049	-.00003	-.00188	-.00130

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.25859	-.42670	.17238	.01414	.01875	.00893	-.03798	.00825
-6.000	12.00000	-5.00000	.24711	-.34152	.14488	.01423	.01878	.00898	-.03666	.00728
-4.000	12.00000	-5.00000	.23842	-.25426	.11482	.01432	.01871	.00900	-.03792	.00573
-2.000	12.00000	-5.00000	.23238	-.17078	.08855	.01454	.01848	.00901	-.04263	.00458
.000	12.00000	-5.00000	.22826	-.09325	.06587	.01485	.01779	.00899	-.04540	.00411
2.000	12.00000	-5.00000	.22369	-.01544	.04073	.01498	.01746	.00897	-.04641	.00276
4.000	12.00000	-5.00000	.21871	.06727	.01062	.01498	.01703	.00891	-.04790	.00110
GRADIENT	.00000	.00000	-.00241	.03992	-.01281	.00009	-.00022	-.00001	-.00119	-.00055

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26054	-.40302	.16123	.00811	.01105	.00545	-.03065	.00696
-6.000	12.00000	-5.00000	.24760	-.32664	.13933	.00825	.01117	.00547	-.02795	.00679
-4.000	12.00000	-5.00000	.23561	-.24983	.11586	.00838	.01121	.00550	-.02708	.00557
-2.000	12.00000	-5.00000	.22552	-.17562	.09291	.00856	.01107	.00551	-.02975	.00443
.000	12.00000	-5.00000	.21729	-.10172	.06980	.00868	.01105	.00548	-.03253	.00390
2.000	12.00000	-5.00000	.21105	-.03144	.04889	.00882	.01107	.00548	-.03105	.00378
4.000	12.00000	-5.00000	.20502	.04132	.02445	.00896	.01096	.00544	-.02811	.00320
GRADIENT	.00000	.00000	-.00378	.03632	-.01134	.00007	-.00003	-.00001	-.00017	-.00027

LARC UPWT 1177(IA94B) OTSAT130 (MJW860) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.28287	-.50676	.19935	.02507	.03311	.01620	-.02533	.01118
-6.000	12.00000	-5.00000	.27713	-.38549	.15498	.02537	.03307	.01580	-.02890	.00736
-4.000	12.00000	-5.00000	.27193	-.27360	.11550	.02563	.03251	.01509	-.03253	.00340
-2.000	12.00000	-5.00000	.26714	-.17166	.08046	.02599	.03212	.01508	-.03608	-.00161
.000	12.00000	-5.00000	.26292	-.07571	.05044	.02668	.03085	.01506	-.04112	-.00634
2.000	12.00000	-5.00000	.25729	.01858	.01895	.02704	.02982	.01507	-.04579	-.00937
4.000	12.00000	-5.00000	.25495	.11502	-.01684	.02726	.02931	.01504	-.04553	-.01235
GRADIENT	.00000	.00000	-.00219	.04837	-.01631	.00022	-.00043	-.00001	-.00179	-.00196

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26426	-.42948	.17473	.01410	.01857	.00900	-.02874	.00503
-6.000	12.00000	-5.00000	.25312	-.34010	.14434	.01418	.01862	.00901	-.02832	.00441
-4.000	12.00000	-5.00000	.24364	-.25383	.11497	.01432	.01848	.00900	-.02796	.00418
-2.000	12.00000	-5.00000	.23612	-.17257	.08948	.01456	.01826	.00896	-.02775	.00327
.000	12.00000	-5.00000	.22987	-.09307	.06564	.01479	.01797	.00892	-.02990	.00227
2.000	12.00000	-5.00000	.22442	-.01413	.04042	.01498	.01776	.00887	-.03294	.00071
4.000	12.00000	-5.00000	.22004	.07257	.00633	.01515	.01753	.00877	-.03610	-.00085
GRADIENT	.00000	.00000	-.00295	.04056	-.01332	.00010	-.00012	-.00003	-.00107	-.00063

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26449	-.41223	.16884	.00841	.01118	.00541	-.02821	.00643
-6.000	12.00000	-5.00000	.25225	-.33419	.14490	.00834	.01119	.00544	-.02690	.00631
-4.000	12.00000	-5.00000	.24062	-.25429	.11879	.00840	.01117	.00544	-.02520	.00562
-2.000	12.00000	-5.00000	.22927	-.17787	.09451	.00847	.01118	.00546	-.02346	.00483
.000	12.00000	-5.00000	.22076	-.10660	.07408	.00857	.01121	.00547	-.02213	.00416
2.000	12.00000	-5.00000	.21366	-.03560	.05246	.00879	.01097	.00547	-.02282	.00302
4.000	12.00000	-5.00000	.20693	.03867	.02675	.00894	.01089	.00547	-.02288	.00254
GRADIENT	.00000	.00000	-.00415	.03641	-.01131	.00007	-.00004	.00000	.00026	-.00040

LARC UPWT 1177(1A94B) OTSAT130 (MJWB61) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.28435	-.51283	.20185	.02531	.03434	.01542	-.01607	.01278
-6.000	12.00000	-5.00000	.27795	-.39468	.15846	.02568	.03418	.01532	-.01781	.00916
-4.000	12.00000	-5.00000	.27241	-.28152	.11883	.02604	.03328	.01491	-.02117	.00510
-2.000	12.00000	-5.00000	.26809	-.17572	.08224	.02634	.03216	.01451	-.02499	.00079
.000	12.00000	-5.00000	.26241	-.07843	.05059	.02677	.03120	.01445	-.02936	-.00404
2.000	12.00000	-5.00000	.25719	.01716	.01805	.02726	.02986	.01442	-.03542	-.00948
4.000	12.00000	-5.00000	.25437	.11838	-.02146	.02737	.02940	.01426	-.03574	-.01180
GRADIENT	.00000	.00000	-.00235	.04963	-.01724	.00018	-.00050	-.00007	-.00198	-.00220

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26813	-.43563	.17756	.01414	.01826	.00879	-.02257	.00369
-6.000	12.00000	-5.00000	.25704	-.34481	.14669	.01415	.01848	.00881	-.02150	.00334
-4.000	12.00000	-5.00000	.24735	-.25489	.11474	.01427	.01852	.00882	-.02106	.00275
-2.000	12.00000	-5.00000	.23875	-.17218	.08848	.01452	.01835	.00878	-.02100	.00200
.000	12.00000	-5.00000	.23171	-.09228	.06444	.01474	.01796	.00871	-.02234	.00138
2.000	12.00000	-5.00000	.22657	-.01019	.03680	.01497	.01779	.00865	-.02371	-.00063
4.000	12.00000	-5.00000	.22214	.07557	.00318	.01507	.01776	.00854	-.02525	-.00239
GRADIENT	.00000	.00000	-.00313	.04115	-.01374	.00010	-.00010	-.00004	-.00055	-.00065

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.26720	-.41601	.17253	.00857	.01105	.00550	-.02358	.00523
-6.000	12.00000	-5.00000	.25452	-.33829	.14795	.00848	.01106	.00546	-.02317	.00511
-4.000	12.00000	-5.00000	.24313	-.25893	.12139	.00845	.01105	.00549	-.02161	.00467
-2.000	12.00000	-5.00000	.23205	-.18179	.09673	.00851	.01118	.00547	-.01901	.00407
.000	12.00000	-5.00000	.22236	-.10731	.07458	.00860	.01109	.00549	-.01721	.00351
2.000	12.00000	-5.00000	.21454	-.03303	.05015	.00882	.01104	.00548	-.01670	.00265
4.000	12.00000	-5.00000	.20823	.04168	.02386	.00896	.01105	.00543	-.01654	.00225
GRADIENT	.00000	.00000	-.00437	.03750	-.01208	.00007	-.00001	-.00001	.00062	-.00031

LARC UPWT 1177(IA94B) OTSAT130 (MJWB62) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26954	-.43340	.17769	.01441	.01879	.00913	-.06840	.00329
-6.000	12.00000	.00000	.25899	-.34445	.14732	.01453	.01899	.00919	-.06753	.00245
-4.000	12.00000	.00000	.24918	-.25464	.11535	.01475	.01885	.00921	-.07008	.00149
-2.000	12.00000	.00000	.24132	-.17336	.09072	.01495	.01836	.00914	-.07486	-.00014
.000	12.00000	.00000	.23459	-.09095	.06530	.01524	.01806	.00911	-.07621	-.00185
2.000	12.00000	.00000	.22916	-.00937	.03775	.01542	.01793	.00902	-.08149	-.00384
4.000	12.00000	.00000	.22484	.07680	.00446	.01538	.01768	.00882	-.08117	-.00608
GRADIENT	.00000	.00000	-.00304	.04134	-.01374	.00009	-.00014	-.00005	-.00144	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.27415	-.42427	.17493	.00857	.01110	.00546	-.04792	.00567
-6.000	12.00000	.00000	.26138	-.34510	.15106	.00860	.01112	.00547	-.04514	.00467
-4.000	12.00000	.00000	.25078	-.26348	.12337	.00860	.01112	.00547	-.04155	.00226
-2.000	12.00000	.00000	.23953	-.18273	.09633	.00869	.01122	.00548	-.03976	.00045
.000	12.00000	.00000	.22893	-.10854	.07391	.00886	.01126	.00543	-.04421	.00105
2.000	12.00000	.00000	.22036	-.03622	.05225	.00908	.01102	.00536	-.04420	-.00031
4.000	12.00000	.00000	.21374	.04059	.02443	.00918	.01106	.00531	-.04608	-.00238
GRADIENT	.00000	.00000	-.00466	.03773	-.01210	.00008	-.00002	-.00002	-.00067	-.00050

LARC UPWT 1177(IA94B) OTSAT130 (MJWB63) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26520	-.43790	.18184	.01476	.01812	.00897	-.04909	.00478
-6.000	12.00000	.00000	.25404	-.34841	.15131	.01462	.01844	.00906	-.04941	.00338
-4.000	12.00000	.00000	.24470	-.25935	.12056	.01467	.01845	.00912	-.05244	.00215
-2.000	12.00000	.00000	.23765	-.17738	.09488	.01490	.01837	.00913	-.05726	.00050
.000	12.00000	.00000	.23209	-.09545	.06936	.01518	.01818	.00907	-.06079	-.00116
2.000	12.00000	.00000	.22778	-.01477	.04281	.01532	.01766	.00895	-.06911	-.00259
4.000	12.00000	.00000	.22261	.06924	.00988	.01538	.01739	.00886	-.06711	-.00490
GRADIENT	.00000	.00000	-.00270	.04099	-.01367	.00009	-.00014	-.00004	-.00206	-.00086

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.27038	-.42325	.17611	.00876	.01097	.00520	-.04010	.00529
-6.000	12.00000	.00000	.25712	-.34566	.15331	.00871	.01110	.00528	-.03725	.00494
-4.000	12.00000	.00000	.24339	-.26463	.12641	.00871	.01112	.00534	-.03496	.00386
-2.000	12.00000	.00000	.23269	-.18792	.10123	.00873	.01111	.00537	-.03389	.00280
.000	12.00000	.00000	.22484	-.11337	.07918	.00885	.01110	.00535	-.03434	.00195
2.000	12.00000	.00000	.21808	-.04216	.05694	.00899	.01112	.00540	-.03485	.00062
4.000	12.00000	.00000	.21139	.03289	.03054	.00909	.01111	.00535	-.03557	-.00094
GRADIENT	.00000	.00000	-.00393	.03704	-.01180	.00005	-.00000	.00000	-.00011	-.00059

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LARC UPWT 1177(IA94B) OTSAT130 (MJW864) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.25792	-.42777	.17383	.01420	.01937	.00923	-.03965	.00131
-6.000	12.00000	.00000	.24688	-.34096	.14543	.01426	.01924	.00923	-.03790	.00090
-4.000	12.00000	.00000	.23849	-.25475	.11643	.01434	.01901	.00924	-.03947	-.00050
-2.000	12.00000	.00000	.23260	-.17324	.09125	.01467	.01849	.00924	-.04437	-.00132
.000	12.00000	.00000	.22861	-.09532	.06860	.01503	.01773	.00917	-.04720	-.00193
2.000	12.00000	.00000	.22437	-.01777	.04429	.01514	.01728	.00910	-.04779	-.00330
4.000	12.00000	.00000	.21944	.06593	.01336	.01510	.01688	.00902	-.04852	-.00490
GRADIENT	.00000	.00000	-.00232	.03984	-.01265	.00010	-.00027	-.00003	-.00108	-.00054

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26351	-.41295	.16848	.00817	.01096	.00545	-.03213	.00321
-6.000	12.00000	.00000	.25082	-.33592	.14649	.00822	.01111	.00548	-.02899	.00299
-4.000	12.00000	.00000	.23896	-.26049	.12299	.00834	.01099	.00548	-.02760	.00204
-2.000	12.00000	.00000	.22891	-.18659	.10013	.00845	.01110	.00550	-.03044	.00112
.000	12.00000	.00000	.22099	-.11154	.07655	.00865	.01101	.00551	-.03349	.00050
2.000	12.00000	.00000	.21412	-.03935	.05456	.00882	.01099	.00548	-.03182	.00010
4.000	12.00000	.00000	.20820	.03395	.02964	.00894	.01088	.00546	-.02882	-.00077
GRADIENT	.00000	.00000	-.00382	.03681	-.01161	.00008	-.00002	-.00000	-.00019	-.00033

LARC UPWT 1177(IA94B) OTSAT130 (MJWB65) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26476	-.43565	.17962	.01413	.01900	.00912	-.03048	-.00101
-6.000	12.00000	.00000	.25396	-.34770	.15054	.01422	.01891	.00910	-.03008	-.00104
-4.000	12.00000	.00000	.24417	-.25972	.12054	.01442	.01871	.00907	-.02970	-.00095
-2.000	12.00000	.00000	.23689	-.17836	.09478	.01465	.01829	.00900	-.02930	-.00098
.000	12.00000	.00000	.23075	-.10014	.07206	.01480	.01804	.00895	-.03134	-.00174
2.000	12.00000	.00000	.22592	-.02173	.04717	.01503	.01794	.00891	-.03437	-.00382
4.000	12.00000	.00000	.22086	.06342	.01375	.01519	.01781	.00887	-.03735	-.00573
GRADIENT	.00000	.00000	-.00288	.04015	-.01306	.00010	-.00011	-.00002	-.00102	-.00062

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26701	-.42385	.17567	.00834	.01126	.00553	-.02888	.00246
-6.000	12.00000	.00000	.25504	-.34219	.14996	.00841	.01126	.00553	-.02760	.00263
-4.000	12.00000	.00000	.24322	-.26551	.12573	.00843	.01138	.00558	-.02588	.00240
-2.000	12.00000	.00000	.23217	-.18952	.10143	.00864	.01128	.00559	-.02434	.00180
.000	12.00000	.00000	.22359	-.11608	.08023	.00872	.01114	.00559	-.02306	.00133
2.000	12.00000	.00000	.21539	-.04537	.05848	.00896	.01112	.00556	-.02373	-.00018
4.000	12.00000	.00000	.20876	.02846	.03300	.00909	.01112	.00558	-.02381	-.00066
GRADIENT	.00000	.00000	-.00428	.03660	-.01142	.00008	-.00003	-.00000	.00024	-.00041

LARC UPWT 1177(IA94B) OTSAT130 (MJWB66) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = .000 ELV-RI = 12.000
ELV-RO = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26914	-.44094	.18236	.01418	.01854	.00888	-.02403	-.00087
-6.000	12.00000	.00000	.25831	-.35230	.15271	.01423	.01877	.00889	-.02298	-.00092
-4.000	12.00000	.00000	.24862	-.26320	.12129	.01438	.01874	.00888	-.02220	-.00117
-2.000	12.00000	.00000	.24023	-.18135	.09551	.01463	.01893	.00883	-.02203	-.00136
.000	12.00000	.00000	.23274	-.10074	.07152	.01484	.01815	.00879	-.02334	-.00221
2.000	12.00000	.00000	.22816	-.01888	.04393	.01499	.01805	.00871	-.02448	-.00498
4.000	12.00000	.00000	.22344	.06719	.00936	.01511	.01792	.00866	-.02564	-.00748
GRADIENT	.00000	.00000	-.00312	.04116	-.01377	.00009	-.00010	-.00003	-.00047	-.00081

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	.00000	.26971	-.42946	.17924	.00857	.01125	.00555	-.02475	.00263
-6.000	12.00000	.00000	.25818	-.34845	.15353	.00851	.01126	.00558	-.02434	.00250
-4.000	12.00000	.00000	.24568	-.26917	.12780	.00853	.01127	.00561	-.02279	.00251
-2.000	12.00000	.00000	.23366	-.18977	.10213	.00865	.01127	.00557	-.02018	.00209
.000	12.00000	.00000	.22447	-.11645	.08026	.00889	.01126	.00556	-.01856	.00163
2.000	12.00000	.00000	.21691	-.04305	.05683	.00902	.01126	.00552	-.01834	.00013
4.000	12.00000	.00000	.21039	.03174	.03006	.00910	.01116	.00551	-.01788	-.00077
GRADIENT	.00000	.00000	-.00437	.03743	-.01204	.00007	-.00001	-.00001	.00058	-.00043

LARC UPWT 1177(IA94B) OTSAT130 (MJWB67) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.27004	-.42432	.17179	.01423	.01846	.00905	-.06701	-.00412
-6.000	12.00000	4.00000	.25935	-.33508	.14136	.01433	.01870	.00909	-.06604	-.00482
-4.000	12.00000	4.00000	.24963	-.24734	.11060	.01450	.01866	.00910	-.06861	-.00569
-2.000	12.00000	4.00000	.24131	-.16550	.08548	.01466	.01838	.00908	-.07327	-.00704
.000	12.00000	4.00000	.23461	-.08285	.05993	.01489	.01816	.00907	-.07448	-.00863
2.000	12.00000	4.00000	.22929	-.00179	.03236	.01517	.01798	.00899	-.07959	-.01067
4.000	12.00000	4.00000	.22478	.08526	-.00139	.01517	.01765	.00880	-.07917	-.01343
GRADIENT	.00000	.00000	-.00309	.04145	-.01385	.00009	-.00012	-.00004	-.00137	-.00096

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.27433	-.41423	.16938	.00836	.01090	.00540	-.04662	-.00138
-6.000	12.00000	4.00000	.26241	-.33556	.14515	.00835	.01090	.00542	-.04349	-.00241
-4.000	12.00000	4.00000	.25145	-.25440	.11832	.00836	.01090	.00543	-.04017	-.00404
-2.000	12.00000	4.00000	.23991	-.17487	.09186	.00849	.01100	.00543	-.03810	-.00580
.000	12.00000	4.00000	.22928	-.10078	.06947	.00861	.01104	.00540	-.04281	-.00486
2.000	12.00000	4.00000	.22099	-.02827	.04765	.00878	.01089	.00535	-.04248	-.00609
4.000	12.00000	4.00000	.21467	.04864	.01993	.00888	.01081	.00527	-.04424	-.00879
GRADIENT	.00000	.00000	-.00462	.03763	-.01205	.00007	-.00001	-.00002	-.00063	-.00049

LARC UPWT 1177(IA94B) OTSAT130 (MJWB68) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.26587	-.42761	.17538	.01435	.01814	.00887	-.04769	-.00192
-6.000	12.00000	4.00000	.25472	-.33826	.14499	.01432	.01828	.00894	-.04803	-.00297
-4.000	12.00000	4.00000	.24515	-.24932	.11434	.01444	.01824	.00902	-.05115	-.00414
-2.000	12.00000	4.00000	.23787	-.16746	.08878	.01468	.01826	.00904	-.05590	-.00573
.000	12.00000	4.00000	.23255	-.08795	.06445	.01494	.01804	.00900	-.05953	-.00742
2.000	12.00000	4.00000	.22766	-.00788	.03793	.01514	.01774	.00894	-.06789	-.00912
4.000	12.00000	4.00000	.22294	.07726	.00464	.01523	.01735	.00884	-.36559	-.01185
GRADIENT	.00000	.00000	-.00273	.04064	-.01351	.00010	-.00012	-.00002	-.00204	-.00094

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.27103	-.41367	.17041	.00850	.01084	.00523	-.03907	-.00104
-6.000	12.00000	4.00000	.25797	-.33708	.14820	.00846	.01088	.00528	-.03607	-.00104
-4.000	12.00000	4.00000	.24439	-.25514	.12113	.00843	.01090	.00529	-.03371	-.00165
-2.000	12.00000	4.00000	.23344	-.17653	.09507	.00852	.01080	.00532	-.03287	-.00252
.000	12.00000	4.00000	.22581	-.10393	.07353	.00856	.01078	.00532	-.03269	-.00335
2.000	12.00000	4.00000	.21883	-.03335	.05191	.00877	.01088	.00534	-.03378	-.00481
4.000	12.00000	4.00000	.21184	.04287	.02483	.00884	.01090	.00529	-.03462	-.00682
GRADIENT	.00000	.00000	-.00399	.03696	-.01179	.00005	.00000	.00000	-.00014	-.00063

LARC UPWT 1177(IA94B) OTSAT130 (MJW869) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.25829	-.42037	.16911	.01403	.01938	.00917	-.04022	-.00412
-6.000	12.00000	4.00000	.24726	-.33364	.14098	.01409	.01925	.00918	-.03849	-.00441
-4.000	12.00000	4.00000	.23866	-.24750	.11164	.01421	.01901	.00919	-.03988	-.00583
-2.000	12.00000	4.00000	.23284	-.16726	.08715	.01450	.01848	.00917	-.04473	-.00676
.000	12.00000	4.00000	.22897	-.08908	.06437	.01482	.01778	.00912	-.04762	-.00732
2.000	12.00000	4.00000	.22456	-.01038	.03908	.01492	.01740	.00906	-.04821	-.00893
4.000	12.00000	4.00000	.21939	.07282	.00887	.01499	.01699	.00903	-.04913	-.01091
GRADIENT	.00000	.00000	-.00234	.03988	-.01268	.00010	-.00026	-.00002	-.00110	-.00062

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.26411	-.40409	.16339	.00796	.01066	.00539	-.03090	-.00169
-6.000	12.00000	4.00000	.25166	-.32730	.14120	.00805	.01069	.00539	-.02789	-.00152
-4.000	12.00000	4.00000	.23937	-.25113	.11766	.00819	.01075	.00543	-.02663	-.00188
-2.000	12.00000	4.00000	.22958	-.17805	.09530	.00829	.01071	.00544	-.02950	-.00277
.000	12.00000	4.00000	.22133	-.10388	.07207	.00848	.01074	.00546	-.03255	-.00370
2.000	12.00000	4.00000	.21481	-.03289	.05080	.00865	.01077	.00544	-.03105	-.00442
4.000	12.00000	4.00000	.20901	.04112	.02554	.00874	.01066	.00540	-.02782	-.00553
GRADIENT	.00000	.00000	-.00377	.03648	-.01144	.00007	-.00001	-.00000	-.00020	-.00045

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LARC UPWT 1177(IA94B) OTSAT130 (MJW870) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.26545	-.42618	.17365	.01400	.01873	.00903	-.02922	-.00557
-6.000	12.00000	4.00000	.25458	-.33829	.14445	.01408	.01874	.00902	-.02883	-.00537
-4.000	12.00000	4.00000	.24485	-.25171	.11507	.01421	.01858	.00901	-.02837	-.00494
-2.000	12.00000	4.00000	.23729	-.16986	.08926	.01438	.01830	.00897	-.02807	-.00532
.000	12.00000	4.00000	.23138	-.09162	.06656	.01458	.01809	.00891	-.03006	-.00640
2.000	12.00000	4.00000	.22622	-.01300	.04113	.01482	.01792	.00886	-.03308	-.00920
4.000	12.00000	4.00000	.22141	.07206	.00783	.01502	.01773	.00881	-.03590	-.01192
GRADIENT	.00000	.00000	-.00290	.04022	-.01313	.00010	-.00010	-.00003	-.00100	-.00089

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.26831	-.41395	.17009	.00815	.01103	.00539	-.02759	-.00144
-6.000	12.00000	4.00000	.25604	-.33318	.14472	.00817	.01104	.00541	-.02648	-.00141
-4.000	12.00000	4.00000	.24379	-.25538	.12007	.00822	.01098	.00546	-.02479	-.00131
-2.000	12.00000	4.00000	.23265	-.17966	.09609	.00837	.01102	.00549	-.02310	-.00181
.000	12.00000	4.00000	.22413	-.10859	.07594	.00847	.01101	.00547	-.02196	-.00244
2.000	12.00000	4.00000	.21671	-.03584	.05297	.00867	.01093	.00548	-.02251	-.00425
4.000	12.00000	4.00000	.21002	.03909	.02684	.00878	.01083	.00546	-.02253	-.00495
GRADIENT	.00000	.00000	-.00417	.03664	-.01148	.00007	-.00002	-.00000	.00025	-.00049

LARC UPWT 1177(1A94B) OTSAT130 (MJWB71) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 4.000 ELV-RI = 12.000
ELV-RO = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 3.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.26923	-.43149	.17642	.01404	.01843	.00881	-.02314	-.00504
-6.000	12.00000	4.00000	.25823	-.34340	.14706	.01410	.01868	.00883	-.02211	-.00499
-4.000	12.00000	4.00000	.24865	-.25477	.11576	.01420	.01867	.00882	-.02120	-.00521
-2.000	12.00000	4.00000	.24022	-.17147	.08942	.01440	.01839	.00878	-.02108	-.00548
.000	12.00000	4.00000	.23303	-.09180	.06580	.01464	.01813	.00871	-.02234	-.00664
2.000	12.00000	4.00000	.22825	-.01030	.03817	.01487	.01796	.00860	-.02341	-.01029
4.000	12.00000	4.00000	.22388	.07655	.00344	.01496	.01782	.00854	-.02493	-.01375
GRADIENT	.00000	.00000	-.00308	.04119	-.01379	.00010	-.00011	-.00004	-.00049	-.00109

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 4.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	4.00000	.27046	-.41778	.17272	.00839	.01095	.00547	-.02367	-.00140
-6.000	12.00000	4.00000	.25904	-.33835	.14784	.00829	.01095	.00544	-.02310	-.00148
-4.000	12.00000	4.00000	.24626	-.25915	.12227	.00831	.01103	.00549	-.02154	-.00121
-2.000	12.00000	4.00000	.23491	-.17980	.09605	.00840	.01105	.00546	-.01893	-.00175
.000	12.00000	4.00000	.22572	-.10765	.07479	.00856	.01105	.00546	-.01732	-.00221
2.000	12.00000	4.00000	.21791	-.03406	.05133	.00874	.01098	.00542	-.01709	-.00416
4.000	12.00000	4.00000	.21176	.04170	.02415	.00883	.01084	.00539	-.01673	-.00529
GRADIENT	.00000	.00000	-.00430	.03737	-.01205	.00007	-.00002	-.00001	.00057	-.00053

LARC UPWT 1177(IA94B) OTSAT130 (MJWB72) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.28087	-.49130	.19192	.02583	.03520	.01677	-.07702	-.00688
-6.000	12.00000	2.00000	.27498	-.37439	.14929	.02619	.03480	.01686	-.06348	-.00949
-4.000	12.00000	2.00000	.26867	-.26047	.10941	.02668	.03352	.01704	-.08978	-.01200
-2.000	12.00000	2.00000	.26402	-.15760	.07430	.02708	.03236	.01713	-.09782	-.01365
.000	12.00000	2.00000	.25855	-.06325	.04384	.02749	.03095	.01715	-.10736	-.01433
2.000	12.00000	2.00000	.25519	.03158	.01068	.02765	.02965	.01706	-.11084	-.01712
4.000	12.00000	2.00000	.25372	.12906	-.02775	.02762	.02887	.01682	-.10527	-.02200
GRADIENT	.00000	.00000	-.00194	.04841	-.01690	.00012	-.00060	-.00003	-.00220	-.00117

LARC UPWT 1177(IA94B) OTSAT130 (MJWB73) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.28001	-.49279	.19489	.02544	.03346	.01694	-.06845	-.00528
-6.000	12.00000	2.00000	.27345	-.37222	.15058	.02584	.03366	.01698	-.07458	-.00815
-4.000	12.00000	2.00000	.26713	-.26103	.11118	.02616	.03313	.01706	-.08118	-.01037
-2.000	12.00000	2.00000	.26300	-.15914	.07606	.02645	.03217	.01709	-.08904	-.01184
.000	12.00000	2.00000	.25878	-.06605	.04686	.02700	.03059	.01707	-.09723	-.01288
2.000	12.00000	2.00000	.25453	.02504	.01687	.02729	.02922	.01699	-.10036	-.01580
4.000	12.00000	2.00000	.25304	.12104	-.02050	.02725	.02881	.01682	-.09553	-.02040
GRADIENT	.00000	.00000	-.00183	.04742	-.01613	.00015	-.00058	-.00003	-.00200	-.00120

LARC UPWT 1177(IA94B) OTSAT130 (MJWB74) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.27768	-.49382	.19279	.02400	.03392	.01658	-.04605	-.00561
-6.000	12.00000	2.00000	.27052	-.37626	.14996	.02440	.03360	.01655	-.05105	-.00865
-4.000	12.00000	2.00000	.26340	-.26037	.10[illegible]5	.02497	.03322	.01647	-.05599	-.01131
-2.000	12.00000	2.00000	.25998	-.15957	.07440	.02541	.03247	.01641	-.05947	-.01339
.000	12.00000	2.00000	.25829	-.06991	.04801	.02597	.03105	.01637	-.06314	-.01481
2.000	12.00000	2.00000	.25491	.02116	.01888	.02632	.03009	.01632	-.06819	-.01728
4.000	12.00000	2.00000	.25096	.11572	-.01621	.02614	.02941	.01614	-.07091	-.02257
GRADIENT	.00000	.00000	-.00150	.04664	-.01520	.00016	-.00050	-.00004	-.00193	-.00132

LARC UPWT 1177(IA94B) OTSAT130 (MJWB75) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.28200	-.50086	.19429	.02510	.03339	.01628	-.02390	-.00167
-6.000	12.00000	2.00000	.27631	-.38163	.15108	.02540	.03317	.01591	-.02743	-.00420
-4.000	12.00000	2.00000	.27126	-.26982	.11163	.02563	.03247	.01525	-.03126	-.00779
-2.000	12.00000	2.00000	.26764	-.16640	.07583	.02608	.03148	.01491	-.03485	-.01231
.000	12.00000	2.00000	.26300	-.07129	.04611	.02676	.03031	.01504	-.04005	-.01678
2.000	12.00000	2.00000	.25720	.02213	.01532	.02708	.02934	.01505	-.04463	-.02062
4.000	12.00000	2.00000	.25506	.11869	-.02093	.02722	.02924	.01496	-.04438	-.02471
GRADIENT	.00000	.00000	-.00214	.04828	-.01628	.00021	-.00043	-.00002	-.00180	-.00211

LARC UPWT 1177(IA94B) OTSAT130 (MJW876) (02 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.500

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.28356	-.50890	.19707	.02534	.03461	.01547	-.01454	-.00053
-6.000	12.00000	2.00000	.27786	-.39161	.15439	.02578	.03385	.01520	-.01641	-.00268
-4.000	12.00000	2.00000	.27290	-.27674	.11411	.02611	.03284	.01463	-.02000	-.00573
-2.000	12.00000	2.00000	.26837	-.16989	.07712	.02638	.03190	.01435	-.02413	-.00973
.000	12.00000	2.00000	.26275	-.07382	.04630	.02686	.03056	.01434	-.02844	-.01436
2.000	12.00000	2.00000	.25727	.02210	.01305	.02727	.02915	.01437	-.03402	-.02055
4.000	12.00000	2.00000	.25493	.12219	-.02574	.02732	.02918	.01400	-.03442	-.02366
GRADIENT	.00000	.00000	-.00235	.04949	-.01719	.00017	-.00050	-.00006	-.00194	-.00233